Appendix for Band 5

Report No.:	BCTC2403018610-2E
Applicant:	Guangzhou T-Mark Technology Co., Ltd.
Product Name:	GPS Tracker
Test Model:	T4-1C
Tested Date:	2024-03-19 to 2024-05-14

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement 3
Appendix 2. Frequency stability 7
Appendix 3. Peak-to-Average Ratio 14
Appendix 4. Occupied bandwidth 29
Appendix 5. Band edge 44
Appendix 6. Out-of-band emissions 54

Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	22.30	1.5	21.65	PASS
Band5	1.4	20407	1	#Mid	QPSK	22.23	1.5	21.58	PASS
Band5	1.4	20407	1	#Max	QPSK	22.20	1.5	21.55	PASS
Band5	1.4	20407	3	#0	QPSK	22.10	1.5	21.45	PASS
Band5	1.4	20407	3	#Mid	QPSK	22.08	1.5	21.43	PASS
Band5	1.4	20407	3	#Max	QPSK	22.12	1.5	21.47	PASS
Band5	1.4	20407	6	#0	QPSK	21.03	1.5	20.38	PASS
Band5	1.4	20407	1	#0	16QAM	21.25	1.5	20.60	PASS
Band5	1.4	20407	1	#Mid	16QAM	21.22	1.5	20.57	PASS
Band5	1.4	20407	1	#Max	16QAM	21.22	1.5	20.57	PASS
Band5	1.4	20407	3	#0	16QAM	21.26	1.5	20.61	PASS
Band5	1.4	20407	3	#Mid	16QAM	21.24	1.5	20.59	PASS
Band5	1.4	20407	3	#Max	16QAM	21.20	1.5	20.55	PASS
Band5	1.4	20407	6	#0	16QAM	20.33	1.5	19.68	PASS
Band5	1.4	20525	1	#0	QPSK	22.81	1.5	22.16	PASS
Band5	1.4	20525	1	#Mid	QPSK	22.84	1.5	22.19	PASS
Band5	1.4	20525	1	#Max	QPSK	22.74	1.5	22.09	PASS
Band5	1.4	20525	3	#0	QPSK	22.80	1.5	22.15	PASS
Band5	1.4	20525	3	#Mid	QPSK	22.78	1.5	22.13	PASS
Band5	1.4	20525	3	#Max	QPSK	22.75	1.5	22.10	PASS
Band5	1.4	20525	6	#0	QPSK	21.81	1.5	21.16	PASS
Band5	1.4	20525	1	#0	16QAM	22.02	1.5	21.37	PASS
Band5	1.4	20525	1	#Mid	16QAM	22.02	1.5	21.37	PASS
Band5	1.4	20525	1	#Max	16QAM	22.01	1.5	21.36	PASS
Band5	1.4	20525	3	#0	16QAM	22.08	1.5	21.43	PASS
Band5	1.4	20525	3	#Mid	16QAM	22.10	1.5	21.45	PASS
Band5	1.4	20525	3	#Max	16QAM	22.07	1.5	21.42	PASS
Band5	1.4	20525	6	#0	16QAM	20.96	1.5	20.31	PASS
Band5	1.4	20643	1	#0	QPSK	22.03	1.5	21.38	PASS
Band5	1.4	20643	1	#Mid	QPSK	22.08	1.5	21.43	PASS
Band5	1.4	20643	1	#Max	QPSK	21.88	1.5	21.23	PASS
Band5	1.4	20643	3	#0	QPSK	21.93	1.5	21.28	PASS
Band5	1.4	20643	3	#Mid	QPSK	21.98	1.5	21.33	PASS
Band5	1.4	20643	3	#Max	QPSK	21.88	1.5	21.23	PASS
Band5	1.4	20643	6	#0	QPSK	21.01	1.5	20.36	PASS

Band5	1.4	20643	1	#0	16QAM	20.92	1.5	20.27	PASS
Band5	1.4	20643	1	#Mid	16QAM	21.01	1.5	20.36	PASS
Band5	1.4	20643	1	#Max	16QAM	20.88	1.5	20.23	PASS
Band5	1.4	20643	3	#0	16QAM	21.18	1.5	20.53	PASS
Band5	1.4	20643	3	#Mid	16QAM	21.25	1.5	20.60	PASS
Band5	1.4	20643	3	#Max	16QAM	21.19	1.5	20.54	PASS
Band5	1.4	20643	6	#0	16QAM	20.22	1.5	19.57	PASS
Band5	3	20415	1	#0	QPSK	22.09	1.5	21.44	PASS
Band5	3	20415	1	#Mid	QPSK	22.07	1.5	21.42	PASS
Band5	3	20415	1	#Max	QPSK	21.80	1.5	21.15	PASS
Band5	3	20415	8	#0	QPSK	20.99	1.5	20.34	PASS
Band5	3	20415	8	#Mid	QPSK	21.01	1.5	20.36	PASS
Band5	3	20415	8	#Max	QPSK	20.90	1.5	20.25	PASS
Band5	3	20415	15	#0	QPSK	20.95	1.5	20.30	PASS
Band5	3	20415	1	#0	16QAM	21.40	1.5	20.75	PASS
Band5	3	20415	1	#Mid	16QAM	21.46	1.5	20.81	PASS
Band5	3	20415	1	#Max	16QAM	21.27	1.5	20.62	PASS
Band5	3	20415	8	#0	16QAM	20.15	1.5	19.50	PASS
Band5	3	20415	8	#Mid	16QAM	20.21	1.5	19.56	PASS
Band5	3	20415	8	#Max	16QAM	20.10	1.5	19.45	PASS
Band5	3	20415	15	#0	16QAM	20.08	1.5	19.43	PASS
Band5	3	20525	1	#0	QPSK	22.72	1.5	22.07	PASS
Band5	3	20525	1	#Mid	QPSK	22.83	1.5	22.18	PASS
Band5	3	20525	1	#Max	QPSK	22.62	1.5	21.97	PASS
Band5	3	20525	8	#0	QPSK	21.75	1.5	21.10	PASS
Band5	3	20525	8	#Mid	QPSK	21.85	1.5	21.20	PASS
Band5	3	20525	8	#Max	QPSK	21.81	1.5	21.16	PASS
Band5	3	20525	15	#0	QPSK	21.81	1.5	21.16	PASS
Band5	3	20525	1	#0	16QAM	21.86	1.5	21.21	PASS
Band5	3	20525	1	#Mid	16QAM	22.10	1.5	21.45	PASS
Band5	3	20525	1	#Max	16QAM	21.88	1.5	21.23	PASS
Band5	3	20525	8	#0	16QAM	20.78	1.5	20.13	PASS
Band5	3	20525	8	#Mid	16QAM	20.87	1.5	20.22	PASS
Band5	3	20525	8	#Max	16QAM	20.79	1.5	20.14	PASS
Band5	3	20525	15	#0	16QAM	20.78	1.5	20.13	PASS
Band5	3	20635	1	#0	QPSK	22.09	1.5	21.44	PASS
Band5	3	20635	1	#Mid	QPSK	22.13	1.5	21.48	PASS
Band5	3	20635	1	#Max	QPSK	21.83	1.5	21.18	PASS
Band5	3	20635	8	#0	QPSK	21.10	1.5	20.45	PASS
Band5	3	20635	8	#Mid	QPSK	21.12	1.5	20.47	PASS
Band5	3	20635	8	#Max	QPSK	21.01	1.5	20.36	PASS
Band5	3	20635	15	#0	QPSK	21.10	1.5	20.45	PASS

Band5	3	20635	1	#0	16QAM	21.01	1.5	20.36	PASS
Band5	3	20635	1	#Mid	16QAM	21.08	1.5	20.43	PASS
Band5	3	20635	1	#Max	16QAM	20.82	1.5	20.17	PASS
Band5	3	20635	8	#0	16QAM	20.15	1.5	19.50	PASS
Band5	3	20635	8	#Mid	16QAM	20.13	1.5	19.48	PASS
Band5	3	20635	8	#Max	16QAM	20.05	1.5	19.40	PASS
Band5	3	20635	15	#0	16QAM	20.16	1.5	19.51	PASS
Band5	5	20425	1	#0	QPSK	22.20	1.5	21.55	PASS
Band5	5	20425	1	#Mid	QPSK	22.07	1.5	21.42	PASS
Band5	5	20425	1	#Max	QPSK	22.04	1.5	21.39	PASS
Band5	5	20425	12	#0	QPSK	20.94	1.5	20.29	PASS
Band5	5	20425	12	#Mid	QPSK	20.97	1.5	20.32	PASS
Band5	5	20425	12	#Max	QPSK	20.93	1.5	20.28	PASS
Band5	5	20425	25	#0	QPSK	20.91	1.5	20.26	PASS
Band5	5	20425	1	#0	16QAM	21.63	1.5	20.98	PASS
Band5	5	20425	1	#Mid	16QAM	21.50	1.5	20.85	PASS
Band5	5	20425	1	#Max	16QAM	21.61	1.5	20.96	PASS
Band5	5	20425	12	#0	16QAM	20.07	1.5	19.42	PASS
Band5	5	20425	12	#Mid	16QAM	20.15	1.5	19.50	PASS
Band5	5	20425	12	#Max	16QAM	20.09	1.5	19.44	PASS
Band5	5	20425	25	#0	16QAM	20.06	1.5	19.41	PASS
Band5	5	20525	1	#0	QPSK	22.76	1.5	22.11	PASS
Band5	5	20525	1	#Mid	QPSK	22.91	1.5	22.26	PASS
Band5	5	20525	1	#Max	QPSK	22.66	1.5	22.01	PASS
Band5	5	20525	12	#0	QPSK	21.69	1.5	21.04	PASS
Band5	5	20525	12	#Mid	QPSK	21.81	1.5	21.16	PASS
Band5	5	20525	12	#Max	QPSK	21.64	1.5	20.99	PASS
Band5	5	20525	25	#0	QPSK	21.71	1.5	21.06	PASS
Band5	5	20525	1	#0	16QAM	22.04	1.5	21.39	PASS
Band5	5	20525	1	#Mid	16QAM	22.18	1.5	21.53	PASS
Band5	5	20525	1	#Max	16QAM	21.99	1.5	21.34	PASS
Band5	5	20525	12	#0	16QAM	20.70	1.5	20.05	PASS
Band5	5	20525	12	#Mid	16QAM	20.82	1.5	20.17	PASS
Band5	5	20525	12	#Max	16QAM	20.71	1.5	20.06	PASS
Band5	5	20525	25	#0	16QAM	20.76	1.5	20.11	PASS
Band5	5	20625	1	#0	QPSK	22.06	1.5	21.41	PASS
Band5	5	20625	1	#Mid	QPSK	22.14	1.5	21.49	PASS
Band5	5	20625	1	#Max	QPSK	21.93	1.5	21.28	PASS
Band5	5	20625	12	#0	QPSK	21.05	1.5	20.40	PASS
Band5	5	20625	12	#Mid	QPSK	21.18	1.5	20.53	PASS
Band5	5	20625	12	#Max	QPSK	21.08	1.5	20.43	PASS
Band5	5	20625	25	#0	QPSK	21.08	1.5	20.43	PASS

Band5	5	20625	1	#0	16QAM	21.42	1.5	20.77	PASS
Band5	5	20625	1	#Mid	16QAM	21.55	1.5	20.90	PASS
Band5	5	20625	1	#Max	16QAM	21.37	1.5	20.72	PASS
Band5	5	20625	12	#0	16QAM	20.13	1.5	19.48	PASS
Band5	5	20625	12	#Mid	16QAM	20.24	1.5	19.59	PASS
Band5	5	20625	12	#Max	16QAM	20.12	1.5	19.47	PASS
Band5	5	20625	25	#0	16QAM	20.04	1.5	19.39	PASS
Band5	10	20450	1	#0	QPSK	22.07	1.5	21.42	PASS
Band5	10	20450	1	#Mid	QPSK	22.21	1.5	21.56	PASS
Band5	10	20450	1	#Max	QPSK	22.65	1.5	22.00	PASS
Band5	10	20450	25	#0	QPSK	20.83	1.5	20.18	PASS
Band5	10	20450	25	#Mid	QPSK	21.11	1.5	20.46	PASS
Band5	10	20450	25	#Max	QPSK	21.23	1.5	20.58	PASS
Band5	10	20450	50	#0	QPSK	21.01	1.5	20.36	PASS
Band5	10	20525	1	#0	QPSK	22.49	1.5	21.84	PASS
Band5	10	20525	1	#Mid	QPSK	22.89	1.5	22.24	PASS
Band5	10	20525	1	#Max	QPSK	22.46	1.5	21.81	PASS
Band5	10	20525	25	#0	QPSK	21.51	1.5	20.86	PASS
Band5	10	20525	25	#Mid	QPSK	21.76	1.5	21.11	PASS
Band5	10	20525	25	#Max	QPSK	21.45	1.5	20.80	PASS
Band5	10	20525	50	#0	QPSK	21.53	1.5	20.88	PASS
Band5	10	20600	1	#0	QPSK	22.60	1.5	21.95	PASS
Band5	10	20600	1	#Mid	QPSK	22.15	1.5	21.50	PASS
Band5	10	20600	1	#Max	QPSK	22.06	1.5	21.41	PASS
Band5	10	20600	25	#0	QPSK	21.12	1.5	20.47	PASS
Band5	10	20600	25	#Mid	QPSK	21.07	1.5	20.42	PASS
Band5	10	20600	25	#Max	QPSK	20.98	1.5	20.33	PASS
Band5	10	20600	50	#0	QPSK	20.91	1.5	20.26	PASS

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band5	1.4	20407	6	#0	QPSK	LV	NT	-11.59	-0.014	PASS
Band5	1.4	20407	6	#0	QPSK	NV	NT	-5.65	-0.007	PASS
Band5	1.4	20407	6	#0	QPSK	HV	NT	-8.53	-0.010	PASS
Band5	1.4	20407	6	#0	16QAM	LV	NT	-10.81	-0.013	PASS
Band5	1.4	20407	6	#0	16QAM	NV	NT	-2.96	-0.004	PASS
Band5	1.4	20407	6	#0	16QAM	HV	NT	-5.12	-0.006	PASS
Band5	1.4	20525	6	#0	QPSK	LV	NT	-13.13	-0.016	PASS
Band5	1.4	20525	6	#0	QPSK	NV	NT	-19.03	-0.023	PASS
Band5	1.4	20525	6	#0	QPSK	HV	NT	-11.43	-0.014	PASS
Band5	1.4	20525	6	#0	16QAM	LV	NT	-14.15	-0.017	PASS
Band5	1.4	20525	6	#0	16QAM	NV	NT	-10.16	-0.012	PASS
Band5	1.4	20525	6	#0	16QAM	HV	NT	-20.81	-0.025	PASS
Band5	1.4	20643	6	#0	QPSK	LV	NT	-16.75	-0.020	PASS
Band5	1.4	20643	6	#0	QPSK	NV	NT	-22.40	-0.026	PASS
Band5	1.4	20643	6	#0	QPSK	HV	NT	-4.48	-0.005	PASS
Band5	1.4	20643	6	#0	16QAM	LV	NT	-5.06	-0.006	PASS
Band5	1.4	20643	6	#0	16QAM	NV	NT	-12.83	-0.015	PASS
Band5	1.4	20643	6	#0	16QAM	HV	NT	-20.54	-0.024	PASS
Band5	3	20415	15	#0	QPSK	LV	NT	-5.02	-0.006	PASS
Band5	3	20415	15	#0	QPSK	NV	NT	-17.91	-0.022	PASS
Band5	3	20415	15	#0	QPSK	HV	NT	-11.57	-0.014	PASS
Band5	3	20415	15	#0	16QAM	LV	NT	-15.05	-0.018	PASS
Band5	3	20415	15	#0	16QAM	NV	NT	-16.91	-0.020	PASS
Band5	3	20415	15	#0	16QAM	HV	NT	-18.08	-0.022	PASS
Band5	3	20525	15	#0	QPSK	LV	NT	-10.24	-0.012	PASS
Band5	3	20525	15	#0	QPSK	NV	NT	-18.58	-0.022	PASS
Band5	3	20525	15	#0	QPSK	HV	NT	-21.96	-0.026	PASS
Band5	3	20525	15	#0	16QAM	LV	NT	-11.52	-0.014	PASS
Band5	3	20525	15	#0	16QAM	NV	NT	-17.38	-0.021	PASS
Band5	3	20525	15	#0	16QAM	HV	NT	-20.08	-0.024	PASS
Band5	3	20635	15	#0	QPSK	LV	NT	-7.81	-0.009	PASS
Band5	3	20635	15	#0	QPSK	NV	NT	-13.33	-0.016	PASS
Band5	3	20635	15	#0	QPSK	HV	NT	-18.80	-0.022	PASS
Band5	3	20635	15	#0	16QAM	LV	NT	-9.93	-0.012	PASS
Band5	3	20635	15	#0	16QAM	NV	NT	-9.58	-0.011	PASS
Band5	3	20635	15	#0	16QAM	HV	NT	-1.87	-0.002	PASS
Band5	5	20425	25	#0	QPSK	LV	NT	-9.37	-0.011	PASS

Band5	5	20425	25	#0	QPSK	NV	NT	-26.56	-0.032	PASS
Band5	5	20425	25	#0	QPSK	HV	NT	-2.56	-0.003	PASS
Band5	5	20425	25	#0	16QAM	LV	NT	-20.16	-0.024	PASS
Band5	5	20425	25	#0	16QAM	NV	NT	-6.29	-0.008	PASS
Band5	5	20425	25	#0	16QAM	HV	NT	-16.75	-0.020	PASS
Band5	5	20525	25	#0	QPSK	LV	NT	-4.45	-0.005	PASS
Band5	5	20525	25	#0	QPSK	NV	NT	-12.33	-0.015	PASS
Band5	5	20525	25	#0	QPSK	HV	NT	-20.86	-0.025	PASS
Band5	5	20525	25	#0	16QAM	LV	NT	-16.94	-0.020	PASS
Band5	5	20525	25	#0	16QAM	NV	NT	-6.21	-0.007	PASS
Band5	5	20525	25	#0	16QAM	HV	NT	-5.31	-0.006	PASS
Band5	5	20625	25	#0	QPSK	LV	NT	-18.21	-0.022	PASS
Band5	5	20625	25	#0	QPSK	NV	NT	-5.61	-0.007	PASS
Band5	5	20625	25	#0	QPSK	HV	NT	-9.91	-0.012	PASS
Band5	5	20625	25	#0	16QAM	LV	NT	-8.71	-0.010	PASS
Band5	5	20625	25	#0	16QAM	NV	NT	-17.88	-0.021	PASS
Band5	5	20625	25	#0	16QAM	HV	NT	-4.82	-0.006	PASS
Band5	10	20450	50	#0	QPSK	LV	NT	-18.38	-0.022	PASS
Band5	10	20450	50	#0	QPSK	NV	NT	-16.98	-0.020	PASS
Band5	10	20450	50	#0	QPSK	HV	NT	-14.43	-0.017	PASS
Band5	10	20525	50	#0	QPSK	LV	NT	-9.06	-0.011	PASS
Band5	10	20525	50	#0	QPSK	NV	NT	-11.39	-0.014	PASS
Band5	10	20525	50	#0	QPSK	HV	NT	-4.52	-0.005	PASS
Band5	10	20600	50	#0	QPSK	LV	NT	-10.71	-0.013	PASS
Band5	10	20600	50	#0	QPSK	NV	NT	-10.29	-0.012	PASS
Band5	10	20600	50	#0	QPSK	HV	NT	-5.48	-0.006	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band5	1.4	20407	6	#0	QPSK	NV	-30	-13.49	-0.016	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-20	-5.12	-0.006	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-10	-10.87	-0.013	PASS
Band5	1.4	20407	6	#0	QPSK	NV	0	-12.33	-0.015	PASS
Band5	1.4	20407	6	#0	QPSK	NV	10	-7.45	-0.009	PASS
Band5	1.4	20407	6	#0	QPSK	NV	20	-9.51	-0.012	PASS
Band5	1.4	20407	6	#0	QPSK	NV	30	-2.50	-0.003	PASS
Band5	1.4	20407	6	#0	QPSK	NV	40	3.60	0.004	PASS
Band5	1.4	20407	6	#0	QPSK	NV	50	-1.34	-0.002	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-30	12.83	0.016	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-20	14.31	0.017	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-10	23.06	0.028	PASS
Band5	1.4	20407	6	#0	16QAM	NV	0	14.56	0.018	PASS

Band5	1.4	20407	6	#0	16QAM	NV	10	19.41	0.024	PASS
Band5	1.4	20407	6	#0	16QAM	NV	20	18.15	0.022	PASS
Band5	1.4	20407	6	#0	16QAM	NV	30	-2.05	-0.002	PASS
Band5	1.4	20407	6	#0	16QAM	NV	40	-6.54	-0.008	PASS
Band5	1.4	20407	6	#0	16QAM	NV	50	-6.65	-0.008	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-30	-21.57	-0.026	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-20	2.76	0.003	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-10	8.25	0.010	PASS
Band5	1.4	20525	6	#0	QPSK	NV	0	14.96	0.018	PASS
Band5	1.4	20525	6	#0	QPSK	NV	10	22.65	0.027	PASS
Band5	1.4	20525	6	#0	QPSK	NV	20	3.76	0.004	PASS
Band5	1.4	20525	6	#0	QPSK	NV	30	5.48	0.007	PASS
Band5	1.4	20525	6	#0	QPSK	NV	40	9.66	0.012	PASS
Band5	1.4	20525	6	#0	QPSK	NV	50	5.54	0.007	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-30	2.43	0.003	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-20	5.31	0.006	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-10	0.47	0.001	PASS
Band5	1.4	20525	6	#0	16QAM	NV	0	-2.79	-0.003	PASS
Band5	1.4	20525	6	#0	16QAM	NV	10	-10.91	-0.013	PASS
Band5	1.4	20525	6	#0	16QAM	NV	20	-9.30	-0.011	PASS
Band5	1.4	20525	6	#0	16QAM	NV	30	-15.34	-0.018	PASS
Band5	1.4	20525	6	#0	16QAM	NV	40	-17.41	-0.021	PASS
Band5	1.4	20525	6	#0	16QAM	NV	50	-21.86	-0.026	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-30	-4.26	-0.005	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-20	-7.95	-0.009	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-10	3.56	0.004	PASS
Band5	1.4	20643	6	#0	QPSK	NV	0	4.92	0.006	PASS
Band5	1.4	20643	6	#0	QPSK	NV	10	15.99	0.019	PASS
Band5	1.4	20643	6	#0	QPSK	NV	20	17.81	0.021	PASS
Band5	1.4	20643	6	#0	QPSK	NV	30	-2.80	-0.003	PASS
Band5	1.4	20643	6	#0	QPSK	NV	40	-1.85	-0.002	PASS
Band5	1.4	20643	6	#0	QPSK	NV	50	-0.10	0.000	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-30	11.94	0.014	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-20	24.28	0.029	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-10	10.39	0.012	PASS
Band5	1.4	20643	6	#0	16QAM	NV	0	10.10	0.012	PASS
Band5	1.4	20643	6	#0	16QAM	NV	10	16.18	0.019	PASS
Band5	1.4	20643	6	#0	16QAM	NV	20	11.49	0.014	PASS
Band5	1.4	20643	6	#0	16QAM	NV	30	20.17	0.024	PASS
Band5	1.4	20643	6	#0	16QAM	NV	40	3.52	0.004	PASS
Band5	1.4	20643	6	#0	16QAM	NV	50	3.56	0.004	PASS
Band5	3	20415	15	#0	QPSK	NV	-30	-15.25	-0.018	PASS

Band5	3	20415	15	#0	QPSK	NV	-20	-4.73	-0.006	PASS
Band5	3	20415	15	#0	QPSK	NV	-10	-11.70	-0.014	PASS
Band5	3	20415	15	#0	QPSK	NV	0	-16.09	-0.019	PASS
Band5	3	20415	15	#0	QPSK	NV	10	-13.86	-0.017	PASS
Band5	3	20415	15	#0	QPSK	NV	20	-18.67	-0.023	PASS
Band5	3	20415	15	#0	QPSK	NV	30	-16.88	-0.020	PASS
Band5	3	20415	15	#0	QPSK	NV	40	-1.30	-0.002	PASS
Band5	3	20415	15	#0	QPSK	NV	50	-6.62	-0.008	PASS
Band5	3	20415	15	#0	16QAM	NV	-30	-8.24	-0.010	PASS
Band5	3	20415	15	#0	16QAM	NV	-20	-14.49	-0.018	PASS
Band5	3	20415	15	#0	16QAM	NV	-10	-19.33	-0.023	PASS
Band5	3	20415	15	#0	16QAM	NV	0	-0.69	-0.001	PASS
Band5	3	20415	15	#0	16QAM	NV	10	-7.44	-0.009	PASS
Band5	3	20415	15	#0	16QAM	NV	20	-3.03	-0.004	PASS
Band5	3	20415	15	#0	16QAM	NV	30	-7.07	-0.009	PASS
Band5	3	20415	15	#0	16QAM	NV	40	-10.63	-0.013	PASS
Band5	3	20415	15	#0	16QAM	NV	50	-19.94	-0.024	PASS
Band5	3	20525	15	#0	QPSK	NV	-30	-4.31	-0.005	PASS
Band5	3	20525	15	#0	QPSK	NV	-20	-10.34	-0.012	PASS
Band5	3	20525	15	#0	QPSK	NV	-10	-14.05	-0.017	PASS
Band5	3	20525	15	#0	QPSK	NV	0	-12.35	-0.015	PASS
Band5	3	20525	15	#0	QPSK	NV	10	-8.34	-0.010	PASS
Band5	3	20525	15	#0	QPSK	NV	20	-8.57	-0.010	PASS
Band5	3	20525	15	#0	QPSK	NV	30	-4.69	-0.006	PASS
Band5	3	20525	15	#0	QPSK	NV	40	-10.44	-0.012	PASS
Band5	3	20525	15	#0	QPSK	NV	50	-8.45	-0.010	PASS
Band5	3	20525	15	#0	16QAM	NV	-30	2.06	0.002	PASS
Band5	3	20525	15	#0	16QAM	NV	-20	-0.07	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	-10	-12.23	-0.015	PASS
Band5	3	20525	15	#0	16QAM	NV	0	-3.73	-0.004	PASS
Band5	3	20525	15	#0	16QAM	NV	10	-12.30	-0.015	PASS
Band5	3	20525	15	#0	16QAM	NV	20	-13.52	-0.016	PASS
Band5	3	20525	15	#0	16QAM	NV	30	-19.60	-0.023	PASS
Band5	3	20525	15	#0	16QAM	NV	40	-17.01	-0.020	PASS
Band5	3	20525	15	#0	16QAM	NV	50	-4.92	-0.006	PASS
Band5	3	20635	15	#0	QPSK	NV	-30	-23.07	-0.027	PASS
Band5	3	20635	15	#0	QPSK	NV	-20	-5.55	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	-10	-16.85	-0.020	PASS
Band5	3	20635	15	#0	QPSK	NV	0	-20.73	-0.024	PASS
Band5	3	20635	15	#0	QPSK	NV	10	-1.29	-0.002	PASS
Band5	3	20635	15	#0	QPSK	NV	20	-0.80	-0.001	PASS
Band5	3	20635	15	#0	QPSK	NV	30	3.93	0.005	PASS

Band5	3	20635	15	#0	QPSK	NV	40	7.93	0.009	PASS
Band5	3	20635	15	#0	QPSK	NV	50	9.28	0.011	PASS
Band5	3	20635	15	#0	16QAM	NV	-30	16.01	0.019	PASS
Band5	3	20635	15	#0	16QAM	NV	-20	3.92	0.005	PASS
Band5	3	20635	15	#0	16QAM	NV	-10	8.98	0.011	PASS
Band5	3	20635	15	#0	16QAM	NV	0	12.20	0.014	PASS
Band5	3	20635	15	#0	16QAM	NV	10	16.51	0.019	PASS
Band5	3	20635	15	#0	16QAM	NV	20	2.05	0.002	PASS
Band5	3	20635	15	#0	16QAM	NV	30	-1.93	-0.002	PASS
Band5	3	20635	15	#0	16QAM	NV	40	3.85	0.005	PASS
Band5	3	20635	15	#0	16QAM	NV	50	7.97	0.009	PASS
Band5	5	20425	25	#0	QPSK	NV	-30	-1.30	-0.002	PASS
Band5	5	20425	25	#0	QPSK	NV	-20	-6.57	-0.008	PASS
Band5	5	20425	25	#0	QPSK	NV	-10	-9.90	-0.012	PASS
Band5	5	20425	25	#0	QPSK	NV	0	-8.37	-0.010	PASS
Band5	5	20425	25	#0	QPSK	NV	10	-11.23	-0.014	PASS
Band5	5	20425	25	#0	QPSK	NV	20	-15.52	-0.019	PASS
Band5	5	20425	25	#0	QPSK	NV	30	-21.90	-0.026	PASS
Band5	5	20425	25	#0	QPSK	NV	40	-2.40	-0.003	PASS
Band5	5	20425	25	#0	QPSK	NV	50	1.26	0.002	PASS
Band5	5	20425	25	#0	16QAM	NV	-30	9.90	0.012	PASS
Band5	5	20425	25	#0	16QAM	NV	-20	7.48	0.009	PASS
Band5	5	20425	25	#0	16QAM	NV	-10	0.00	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	0	-4.69	-0.006	PASS
Band5	5	20425	25	#0	16QAM	NV	10	-6.75	-0.008	PASS
Band5	5	20425	25	#0	16QAM	NV	20	-17.91	-0.022	PASS
Band5	5	20425	25	#0	16QAM	NV	30	1.56	0.002	PASS
Band5	5	20425	25	#0	16QAM	NV	40	-0.14	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	50	2.20	0.003	PASS
Band5	5	20525	25	#0	QPSK	NV	-30	-11.53	-0.014	PASS
Band5	5	20525	25	#0	QPSK	NV	-20	-16.01	-0.019	PASS
Band5	5	20525	25	#0	QPSK	NV	-10	-21.19	-0.025	PASS
Band5	5	20525	25	#0	QPSK	NV	0	-19.86	-0.024	PASS
Band5	5	20525	25	#0	QPSK	NV	10	-12.90	-0.015	PASS
Band5	5	20525	25	#0	QPSK	NV	20	-4.66	-0.006	PASS
Band5	5	20525	25	#0	QPSK	NV	30	-10.76	-0.013	PASS
Band5	5	20525	25	#0	QPSK	NV	40	-16.08	-0.019	PASS
Band5	5	20525	25	#0	QPSK	NV	50	-0.07	0.000	PASS
Band5	5	20525	25	#0	16QAM	NV	-30	-6.18	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	-20	-11.72	-0.014	PASS
Band5	5	20525	25	#0	16QAM	NV	-10	-22.47	-0.027	PASS
Band5	5	20525	25	#0	16QAM	NV	0	-10.16	-0.012	PASS

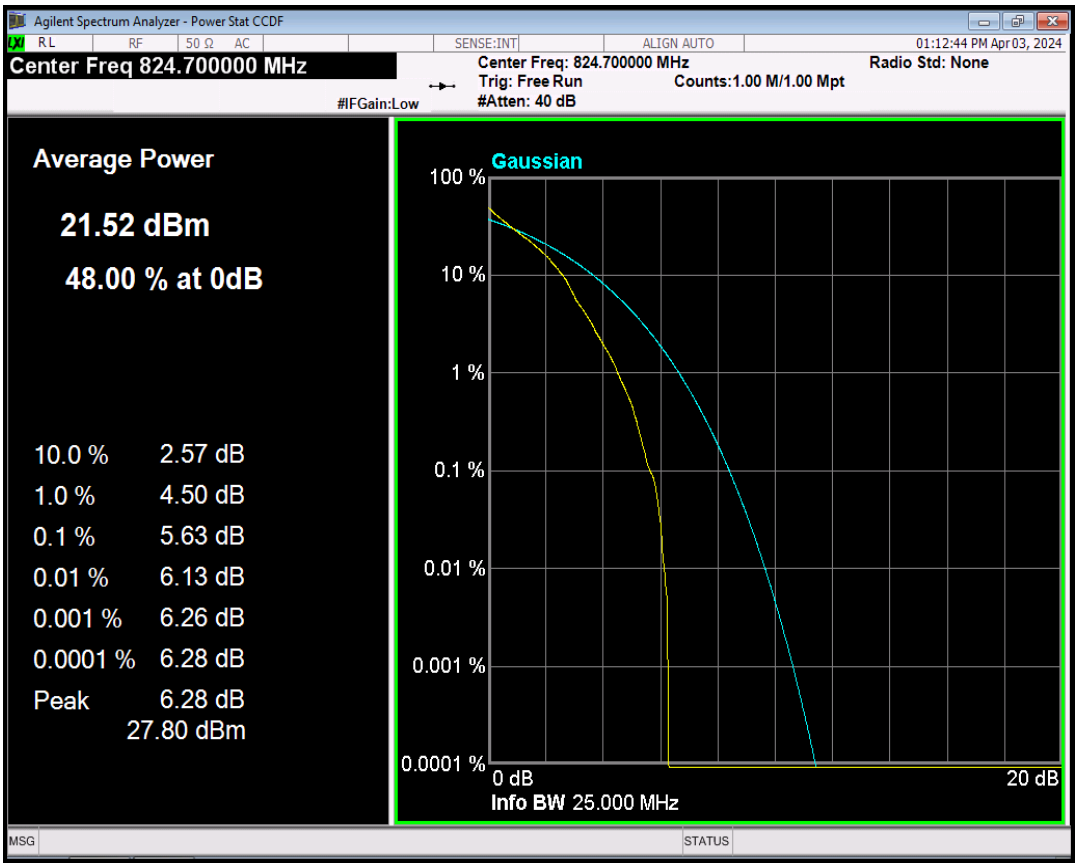
Band5	5	20525	25	#0	16QAM	NV	10	-3.59	-0.004	PASS
Band5	5	20525	25	#0	16QAM	NV	20	-15.56	-0.019	PASS
Band5	5	20525	25	#0	16QAM	NV	30	-17.75	-0.021	PASS
Band5	5	20525	25	#0	16QAM	NV	40	-15.25	-0.018	PASS
Band5	5	20525	25	#0	16QAM	NV	50	-0.66	-0.001	PASS
Band5	5	20625	25	#0	QPSK	NV	-30	-18.85	-0.022	PASS
Band5	5	20625	25	#0	QPSK	NV	-20	-6.22	-0.007	PASS
Band5	5	20625	25	#0	QPSK	NV	-10	-3.13	-0.004	PASS
Band5	5	20625	25	#0	QPSK	NV	0	-2.83	-0.003	PASS
Band5	5	20625	25	#0	QPSK	NV	10	-0.41	0.000	PASS
Band5	5	20625	25	#0	QPSK	NV	20	1.60	0.002	PASS
Band5	5	20625	25	#0	QPSK	NV	30	5.52	0.007	PASS
Band5	5	20625	25	#0	QPSK	NV	40	13.63	0.016	PASS
Band5	5	20625	25	#0	QPSK	NV	50	21.84	0.026	PASS
Band5	5	20625	25	#0	16QAM	NV	-30	-1.33	-0.002	PASS
Band5	5	20625	25	#0	16QAM	NV	-20	0.47	0.001	PASS
Band5	5	20625	25	#0	16QAM	NV	-10	5.06	0.006	PASS
Band5	5	20625	25	#0	16QAM	NV	0	3.99	0.005	PASS
Band5	5	20625	25	#0	16QAM	NV	10	9.81	0.012	PASS
Band5	5	20625	25	#0	16QAM	NV	20	9.41	0.011	PASS
Band5	5	20625	25	#0	16QAM	NV	30	11.33	0.013	PASS
Band5	5	20625	25	#0	16QAM	NV	40	14.41	0.017	PASS
Band5	5	20625	25	#0	16QAM	NV	50	13.39	0.016	PASS
Band5	10	20450	50	#0	QPSK	NV	-30	-16.11	-0.019	PASS
Band5	10	20450	50	#0	QPSK	NV	-20	-2.06	-0.002	PASS
Band5	10	20450	50	#0	QPSK	NV	-10	-7.18	-0.009	PASS
Band5	10	20450	50	#0	QPSK	NV	0	-3.81	-0.005	PASS
Band5	10	20450	50	#0	QPSK	NV	10	4.31	0.005	PASS
Band5	10	20450	50	#0	QPSK	NV	20	6.69	0.008	PASS
Band5	10	20450	50	#0	QPSK	NV	30	8.85	0.011	PASS
Band5	10	20450	50	#0	QPSK	NV	40	-0.07	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	50	5.11	0.006	PASS
Band5	10	20525	50	#0	QPSK	NV	-30	-22.09	-0.026	PASS
Band5	10	20525	50	#0	QPSK	NV	-20	6.55	0.008	PASS
Band5	10	20525	50	#0	QPSK	NV	-10	4.49	0.005	PASS
Band5	10	20525	50	#0	QPSK	NV	0	5.45	0.007	PASS
Band5	10	20525	50	#0	QPSK	NV	10	0.83	0.001	PASS
Band5	10	20525	50	#0	QPSK	NV	20	4.53	0.005	PASS
Band5	10	20525	50	#0	QPSK	NV	30	6.62	0.008	PASS
Band5	10	20525	50	#0	QPSK	NV	40	9.97	0.012	PASS
Band5	10	20525	50	#0	QPSK	NV	50	13.52	0.016	PASS
Band5	10	20600	50	#0	QPSK	NV	-30	-1.37	-0.002	PASS

Band5	10	20600	50	#0	QPSK	NV	-20	-2.16	-0.003	PASS
Band5	10	20600	50	#0	QPSK	NV	-10	0.36	0.000	PASS
Band5	10	20600	50	#0	QPSK	NV	0	14.45	0.017	PASS
Band5	10	20600	50	#0	QPSK	NV	10	8.57	0.010	PASS
Band5	10	20600	50	#0	QPSK	NV	20	11.99	0.014	PASS
Band5	10	20600	50	#0	QPSK	NV	30	13.50	0.016	PASS
Band5	10	20600	50	#0	QPSK	NV	40	7.62	0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	50	1.42	0.002	PASS

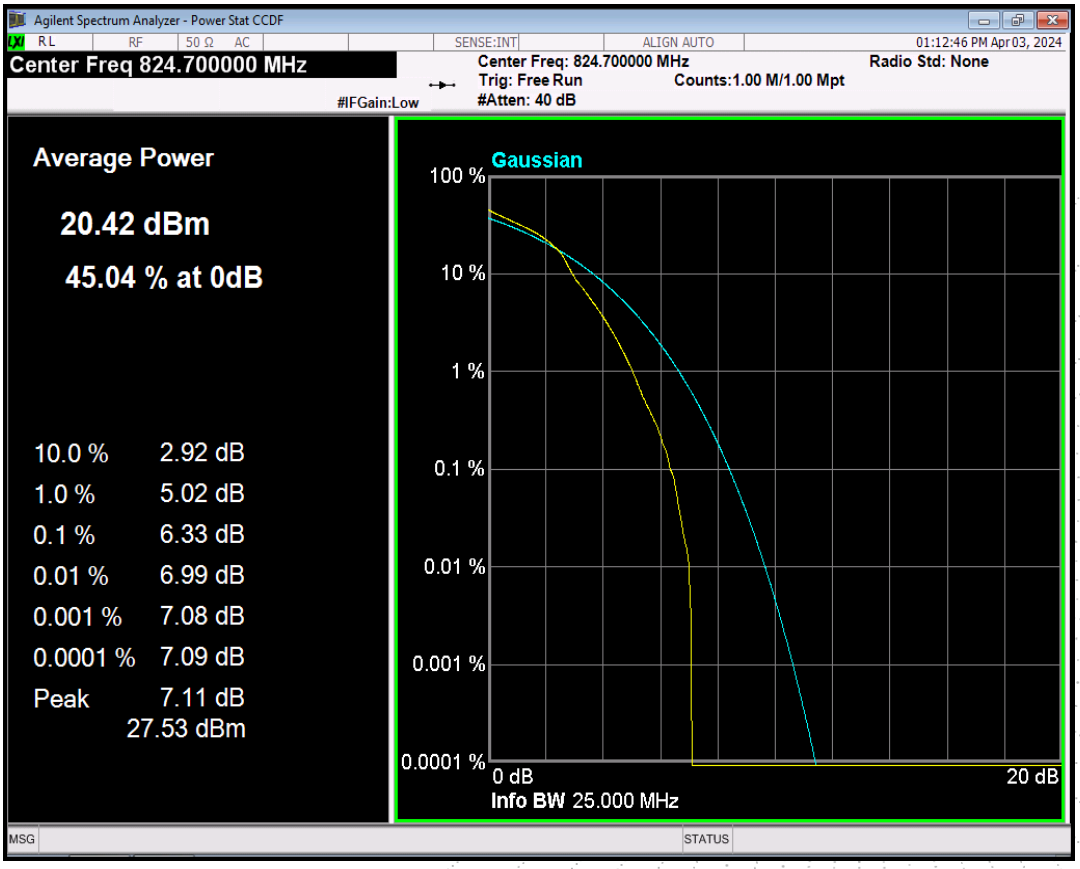
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band5	1.4	20407	1	#0	QPSK	5.63	13	PASS
Band5	1.4	20407	1	#0	16QAM	6.33	13	PASS
Band5	1.4	20525	1	#0	QPSK	5.51	13	PASS
Band5	1.4	20525	1	#0	16QAM	6.70	13	PASS
Band5	1.4	20643	1	#0	QPSK	5.34	13	PASS
Band5	1.4	20643	1	#0	16QAM	5.88	13	PASS
Band5	3	20415	1	#0	QPSK	5.74	13	PASS
Band5	3	20415	1	#0	16QAM	6.44	13	PASS
Band5	3	20525	1	#0	QPSK	5.76	13	PASS
Band5	3	20525	1	#0	16QAM	6.63	13	PASS
Band5	3	20635	1	#0	QPSK	5.38	13	PASS
Band5	3	20635	1	#0	16QAM	5.88	13	PASS
Band5	5	20425	1	#0	QPSK	6.00	13	PASS
Band5	5	20425	1	#0	16QAM	6.14	13	PASS
Band5	5	20525	1	#0	QPSK	5.55	13	PASS
Band5	5	20525	1	#0	16QAM	5.87	13	PASS
Band5	5	20625	1	#0	QPSK	5.49	13	PASS
Band5	5	20625	1	#0	16QAM	6.00	13	PASS
Band5	10	20450	1	#0	QPSK	5.62	13	PASS
Band5	10	20525	1	#0	QPSK	5.57	13	PASS
Band5	10	20600	1	#0	QPSK	4.90	13	PASS

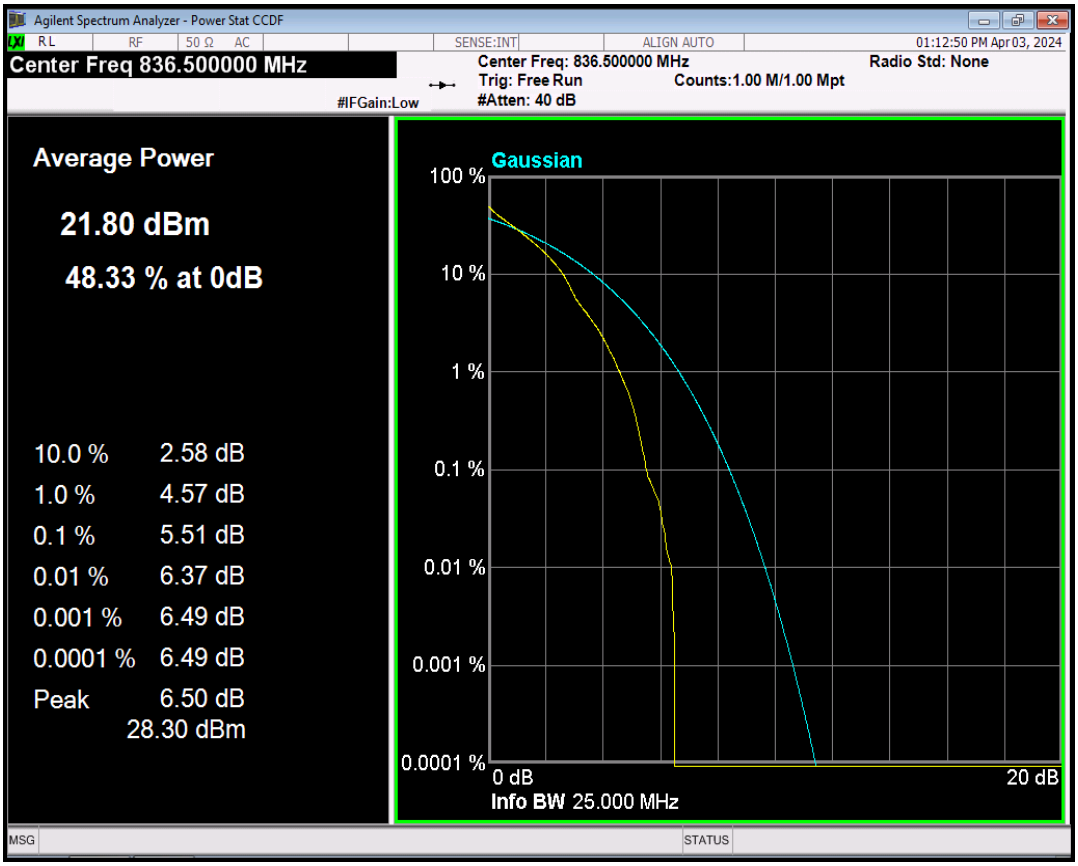
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0



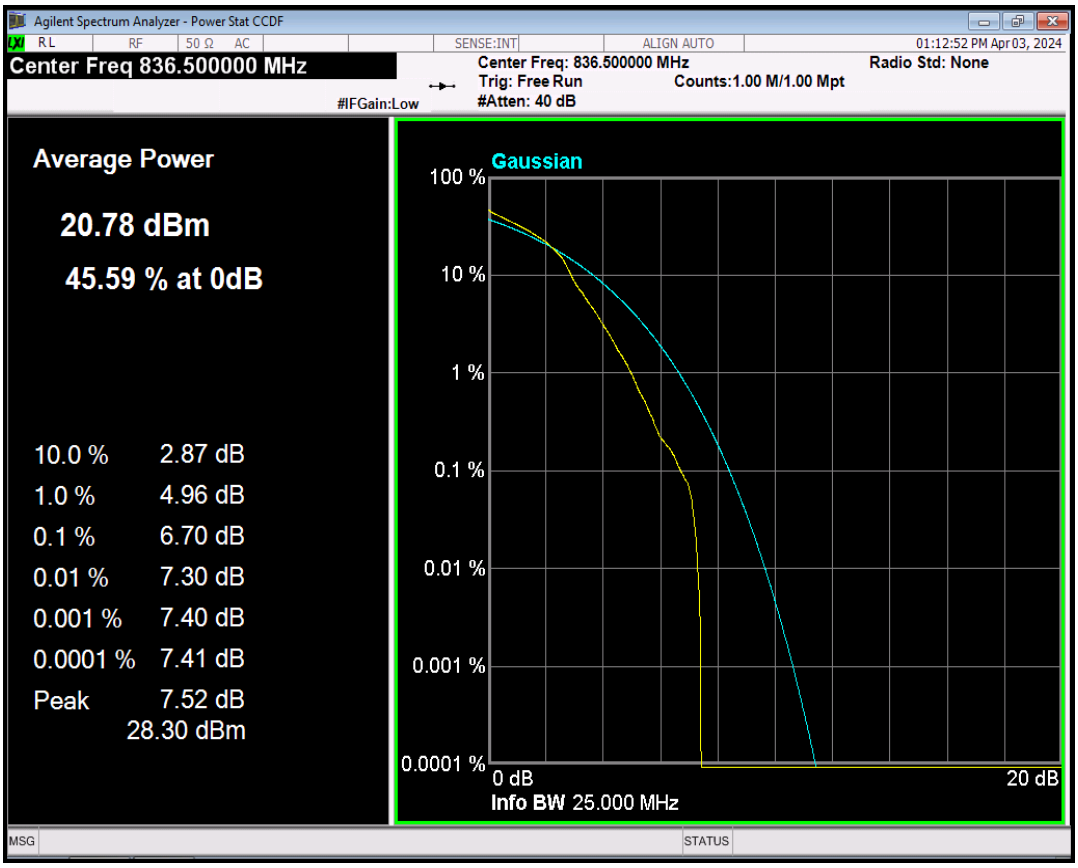
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0



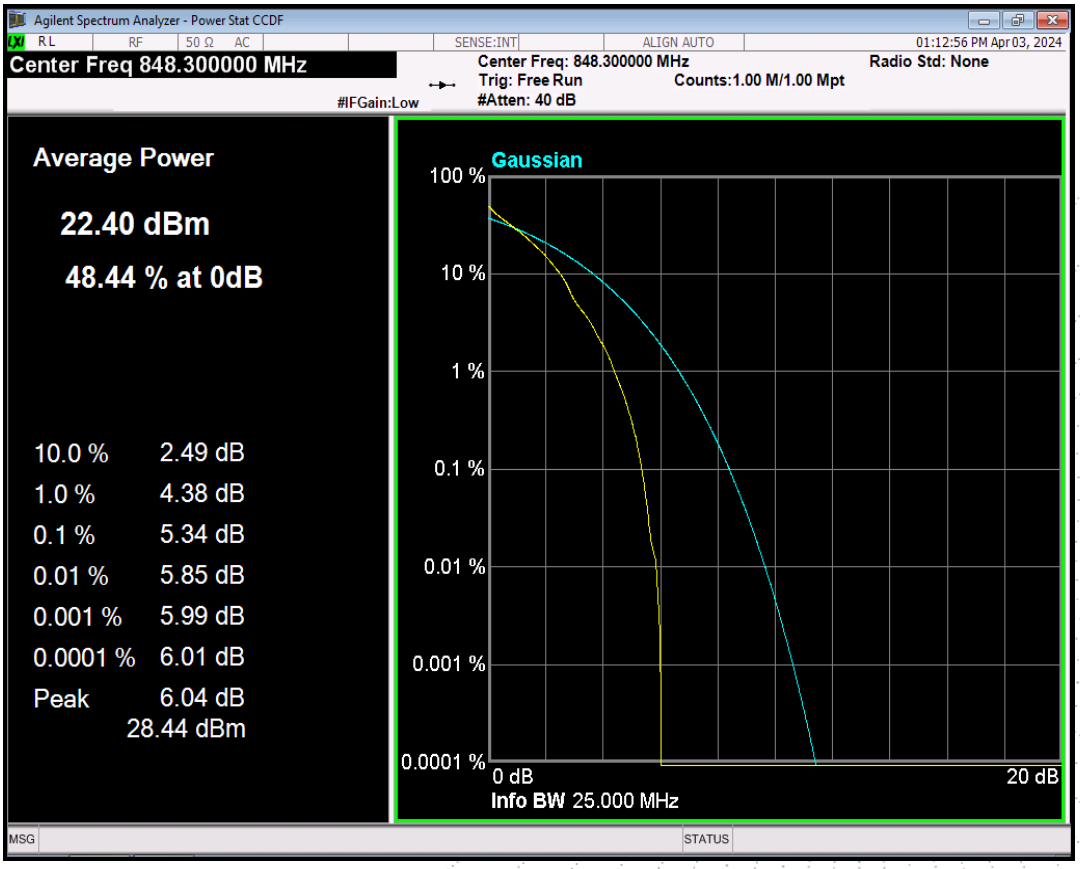
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



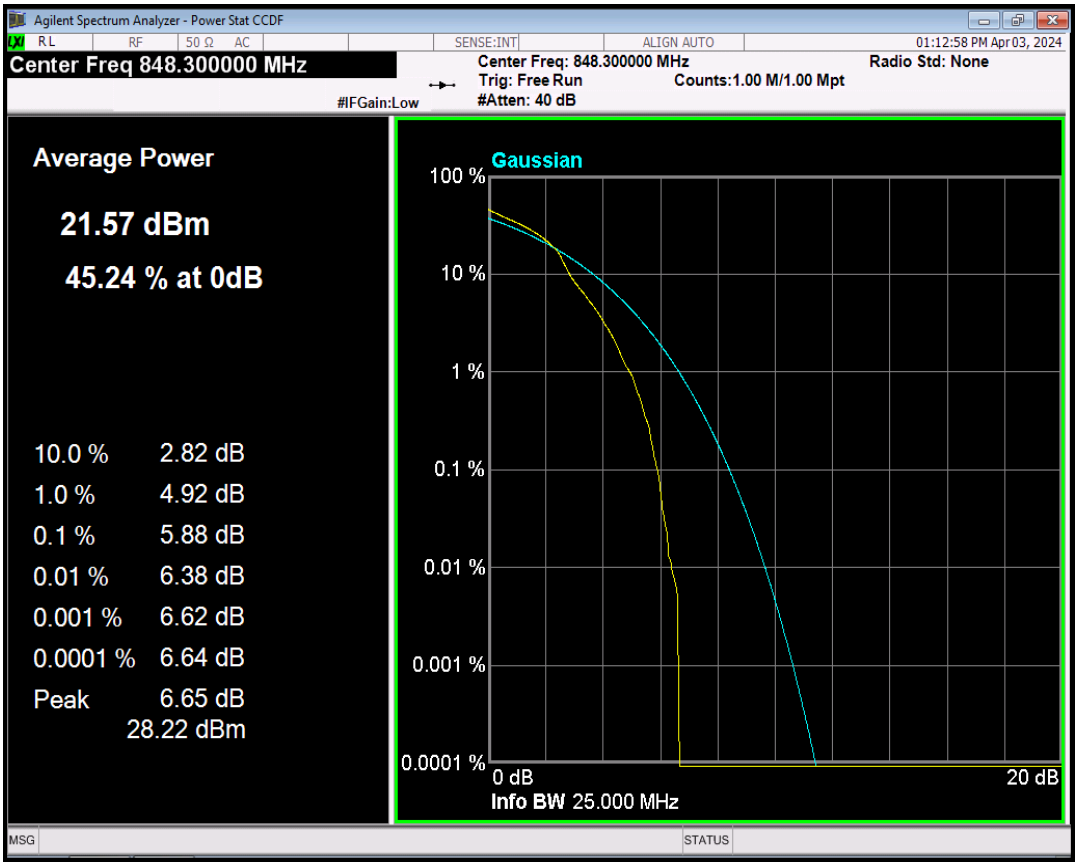
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0



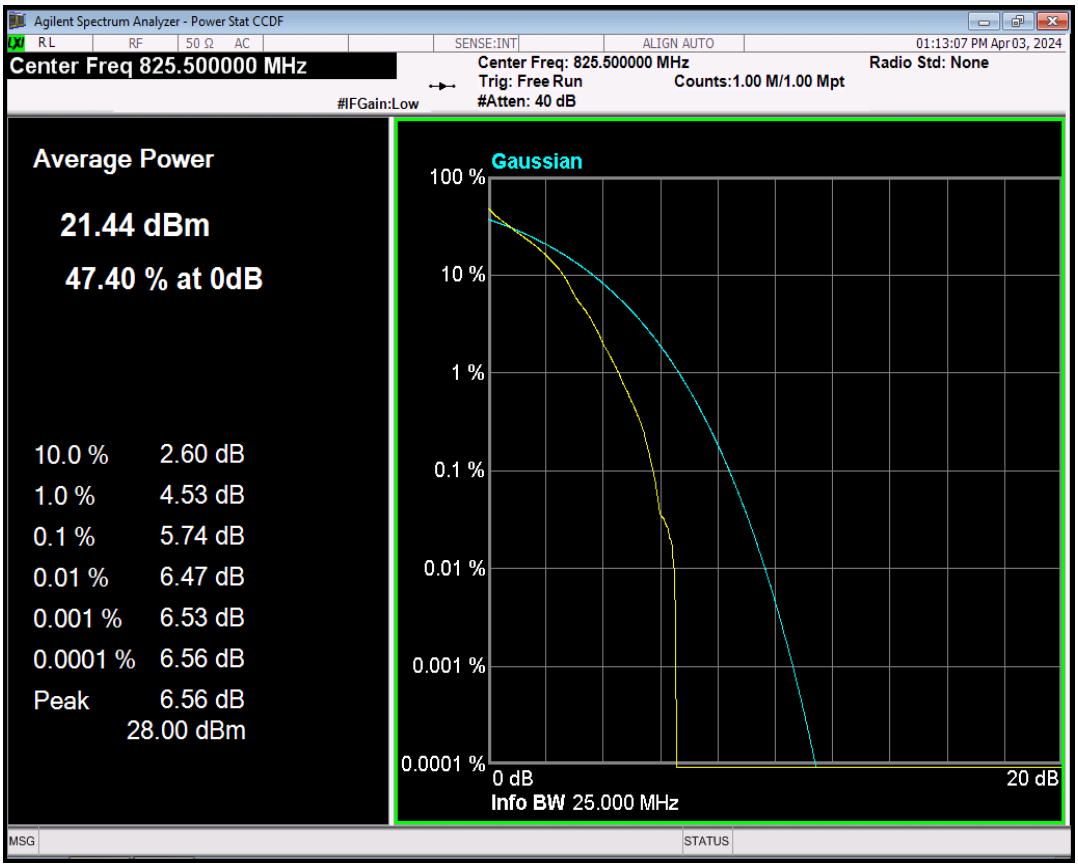
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0



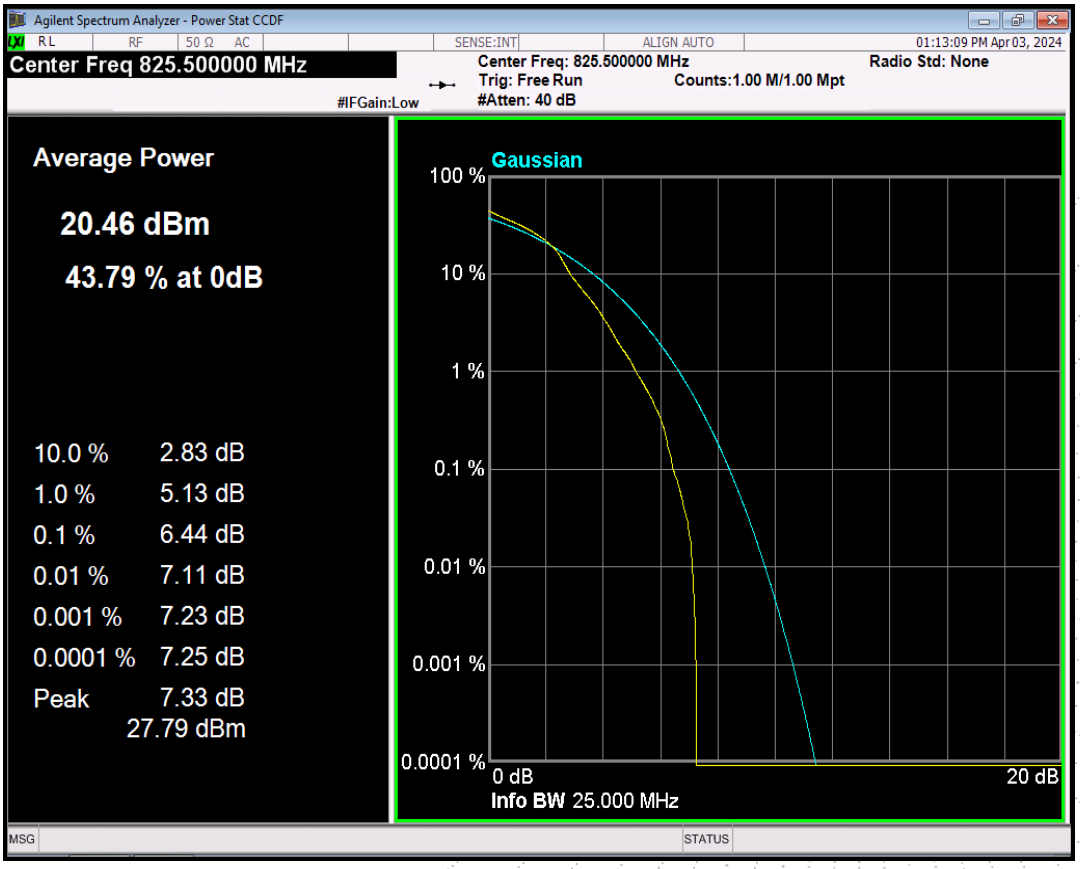
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0



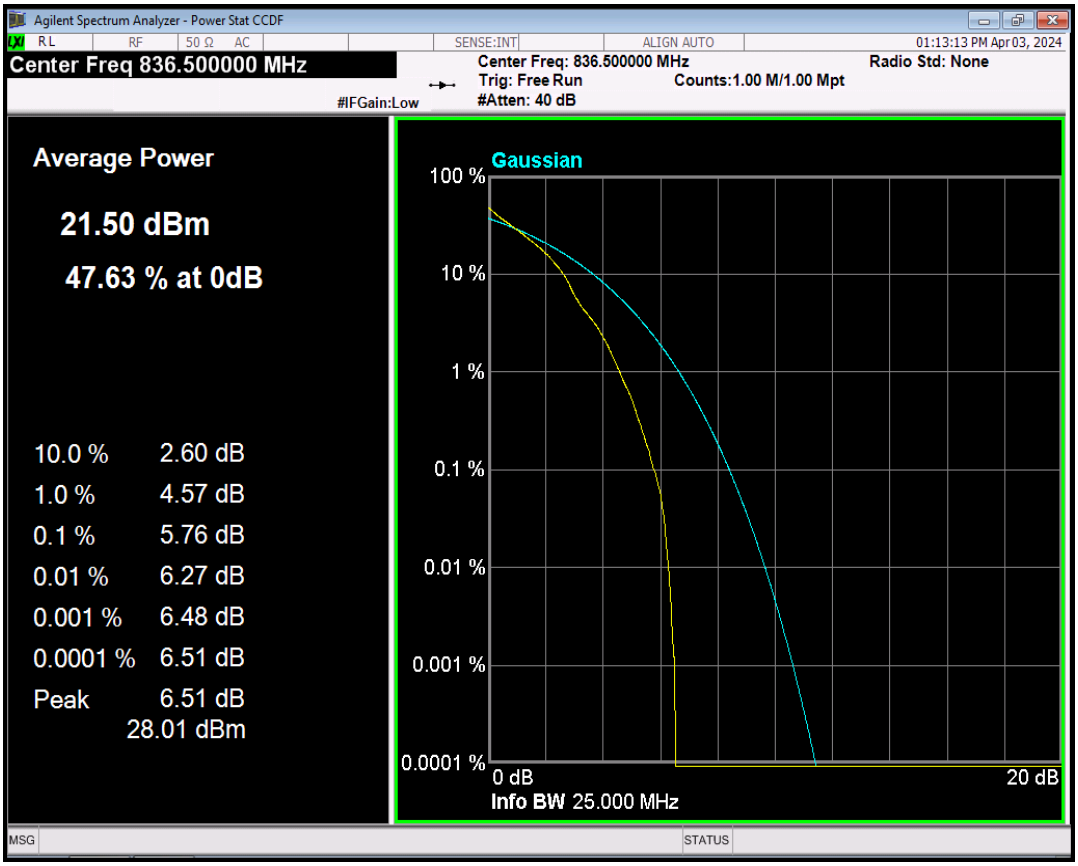
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0



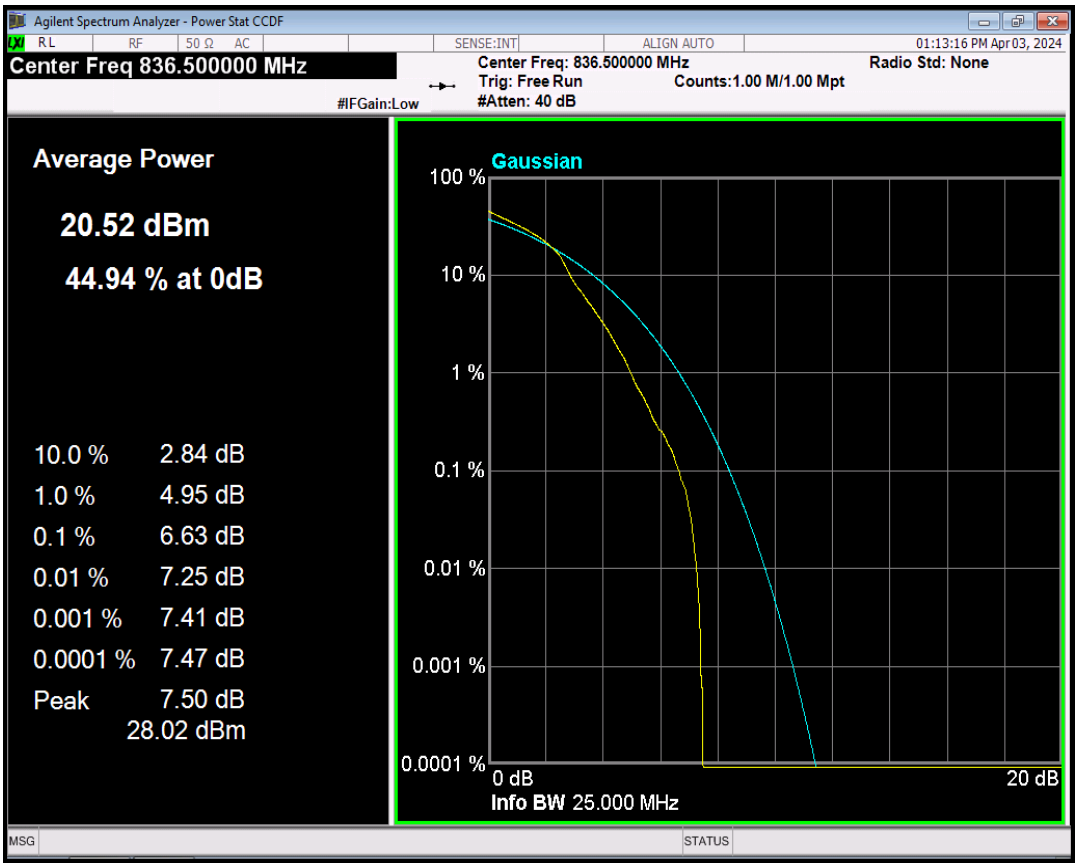
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0



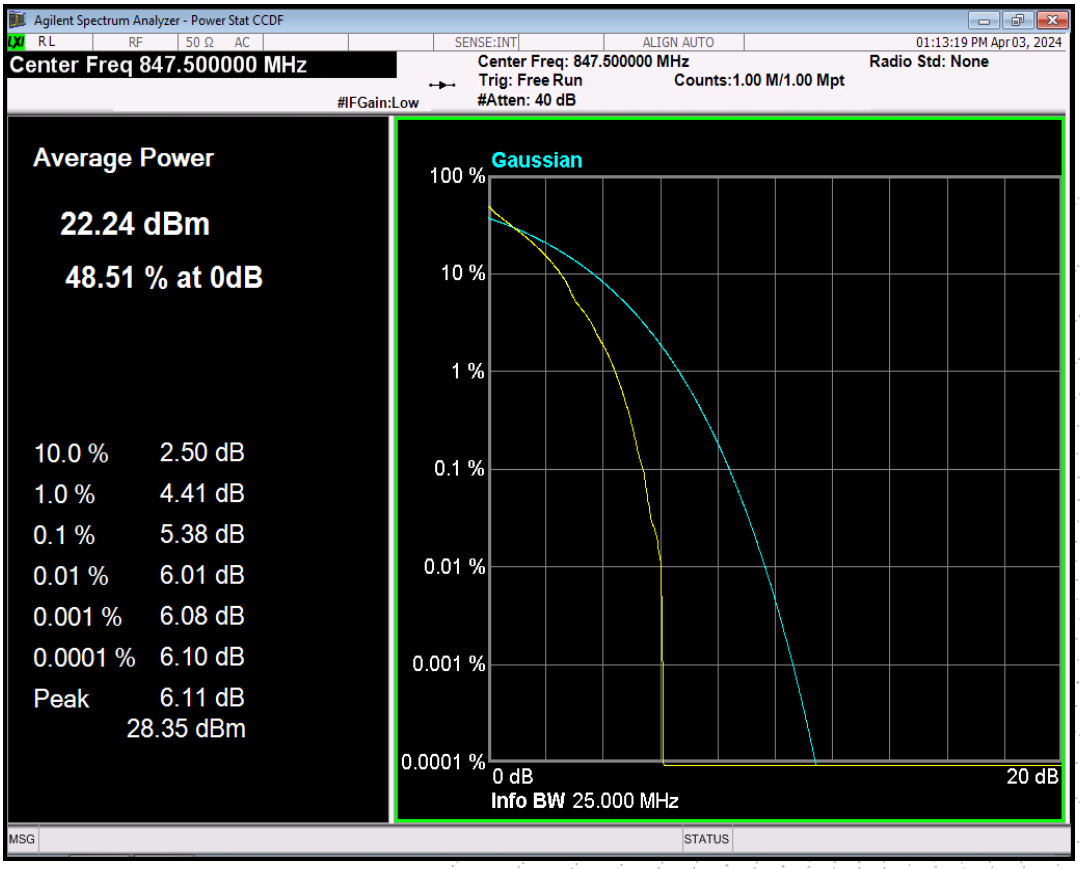
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0



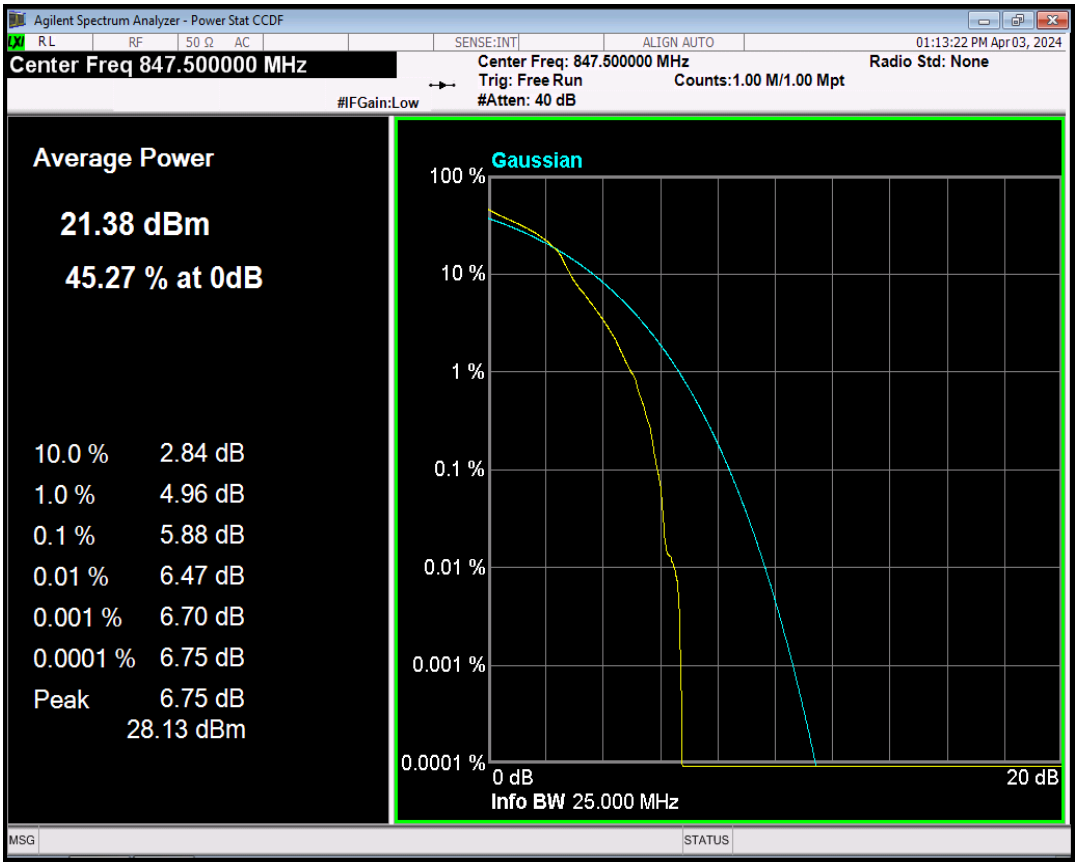
Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0



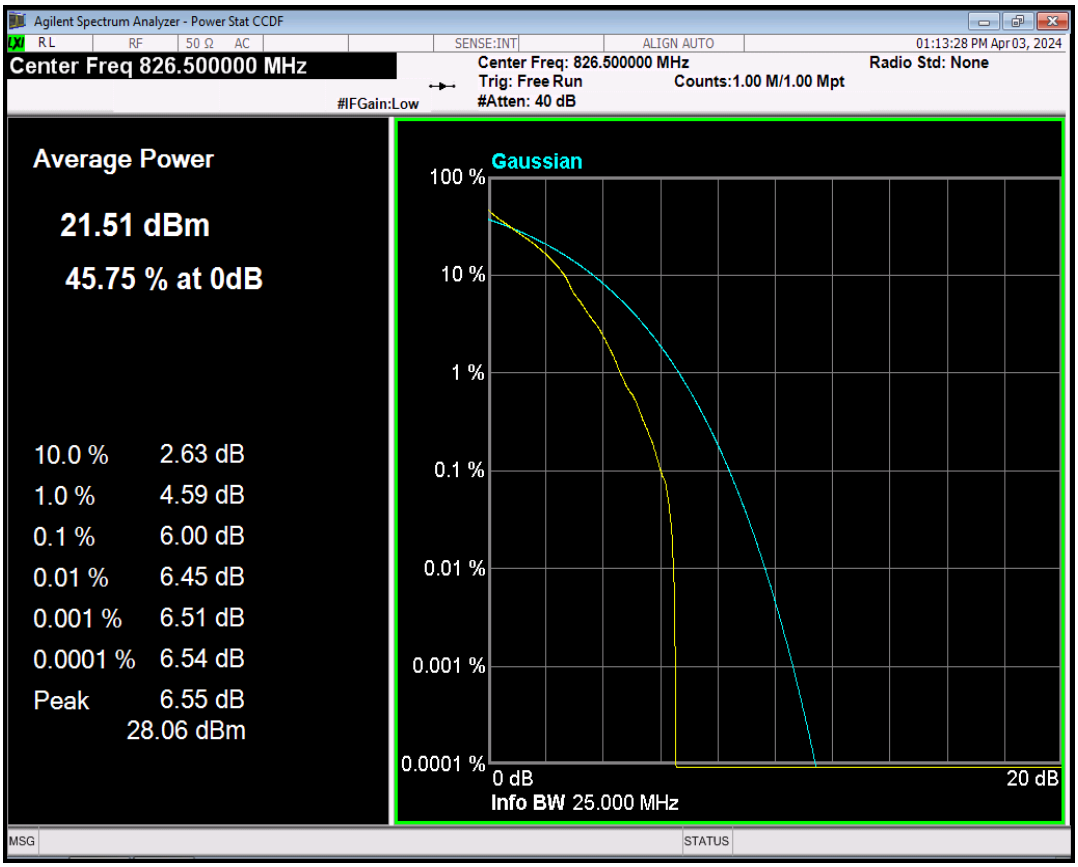
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0



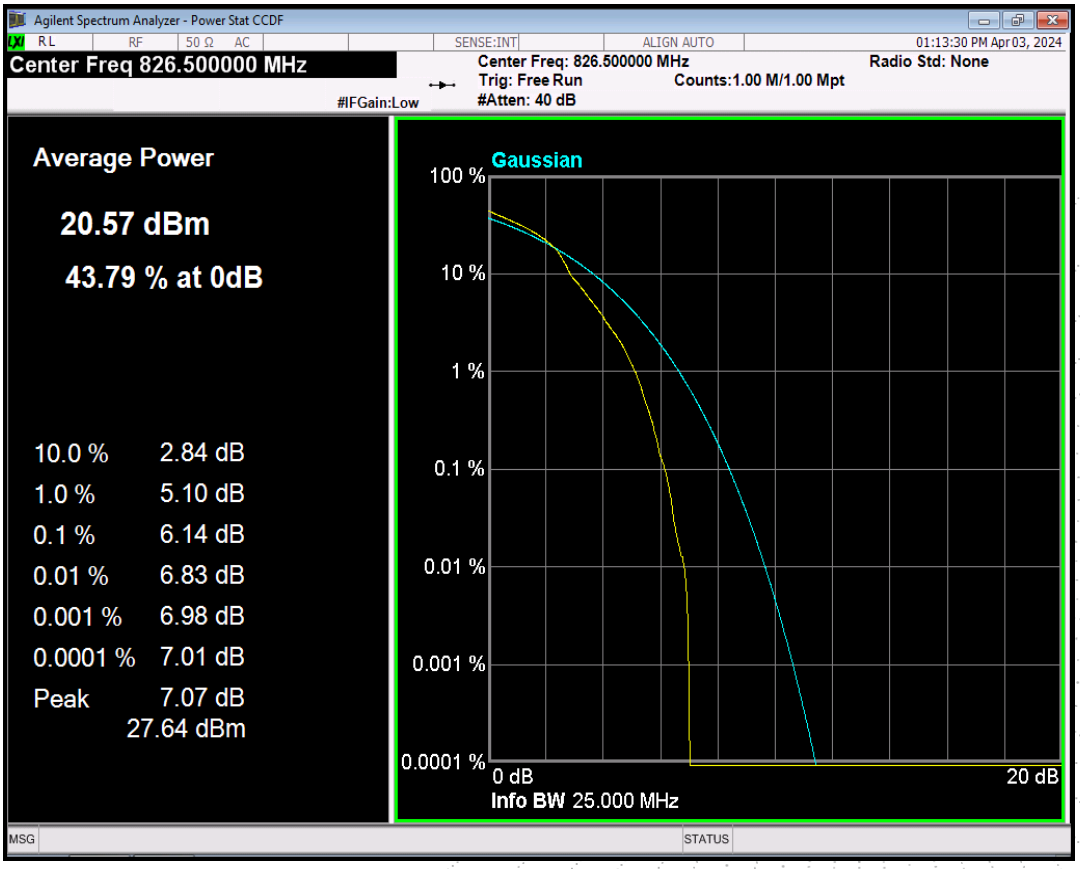
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0



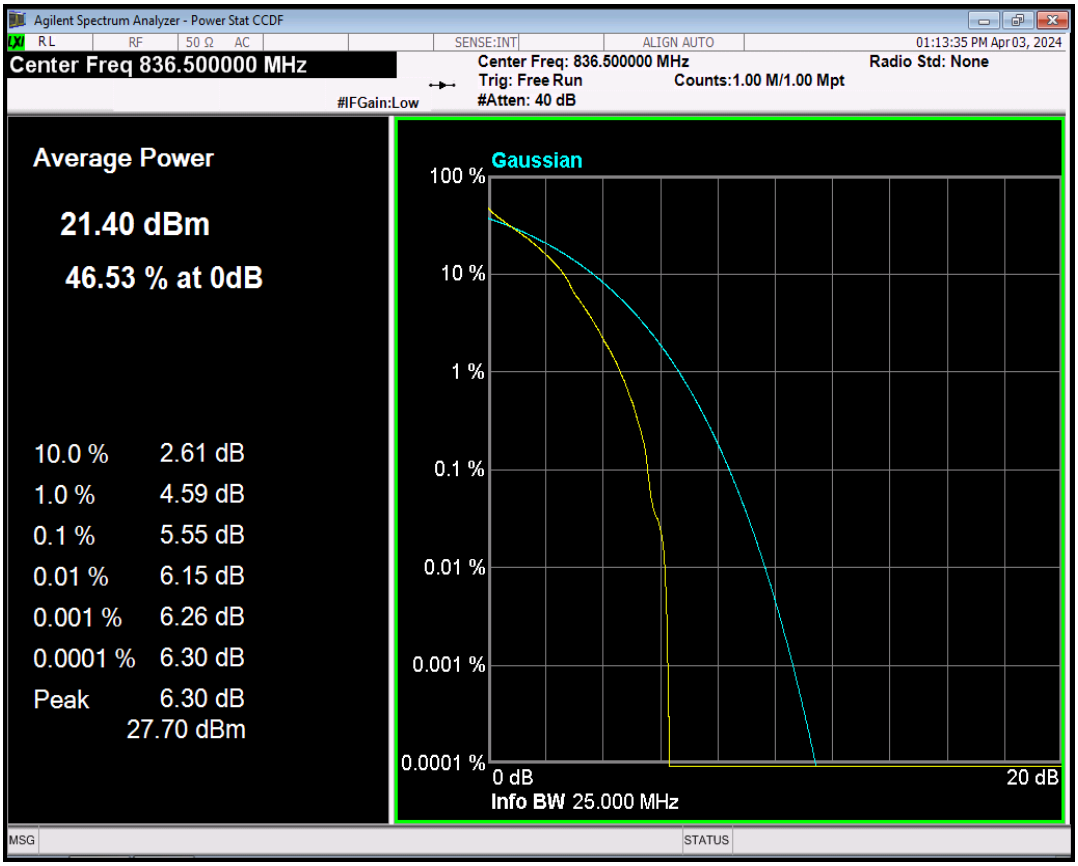
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0



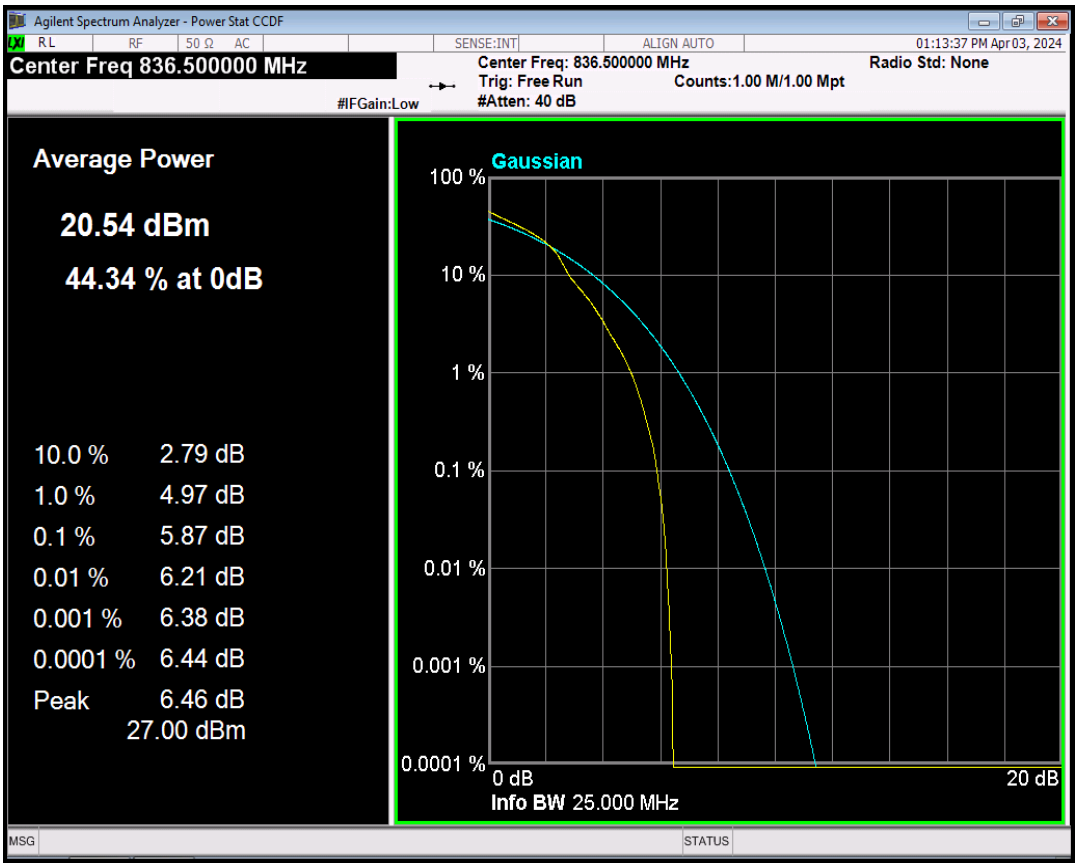
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0



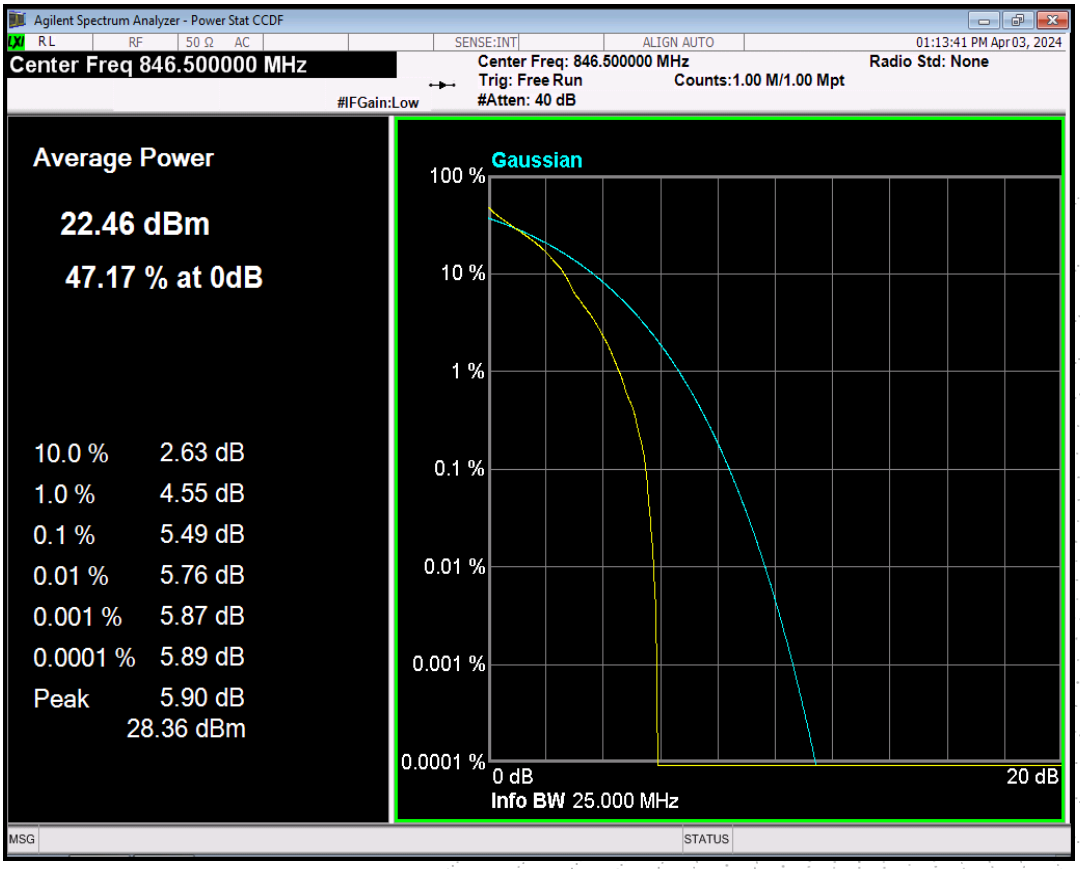
Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0



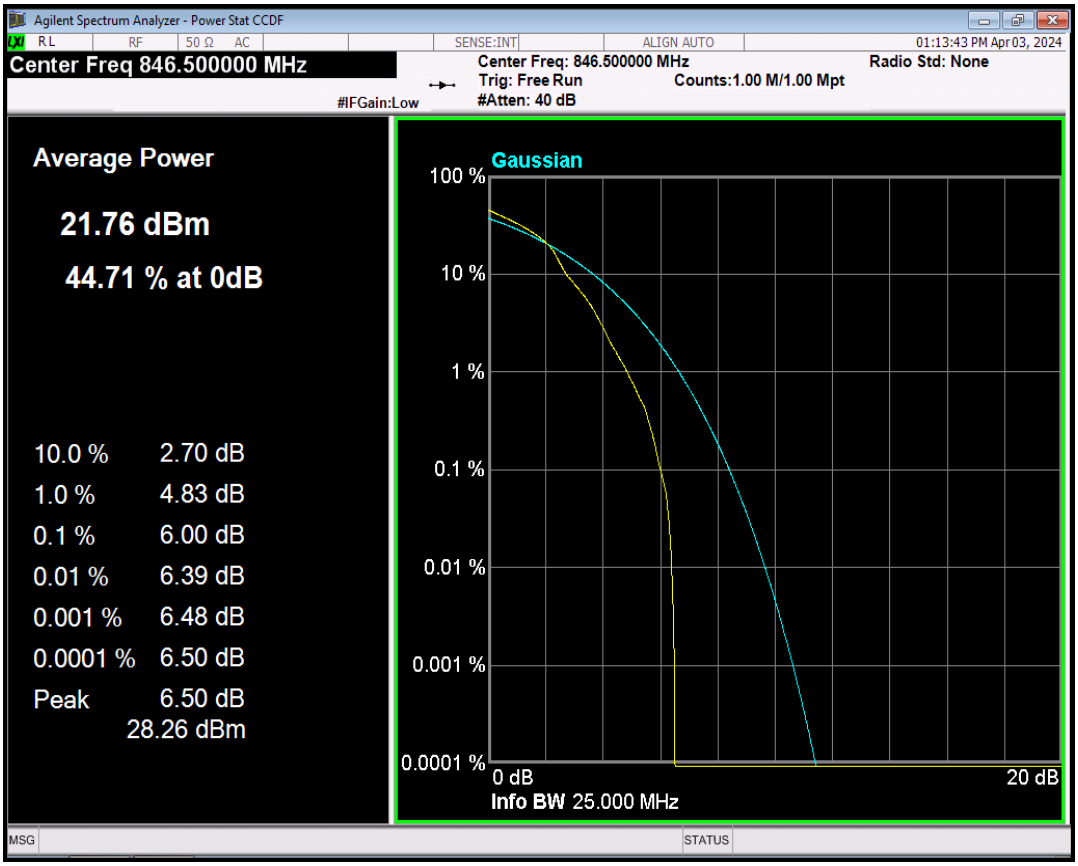
Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0



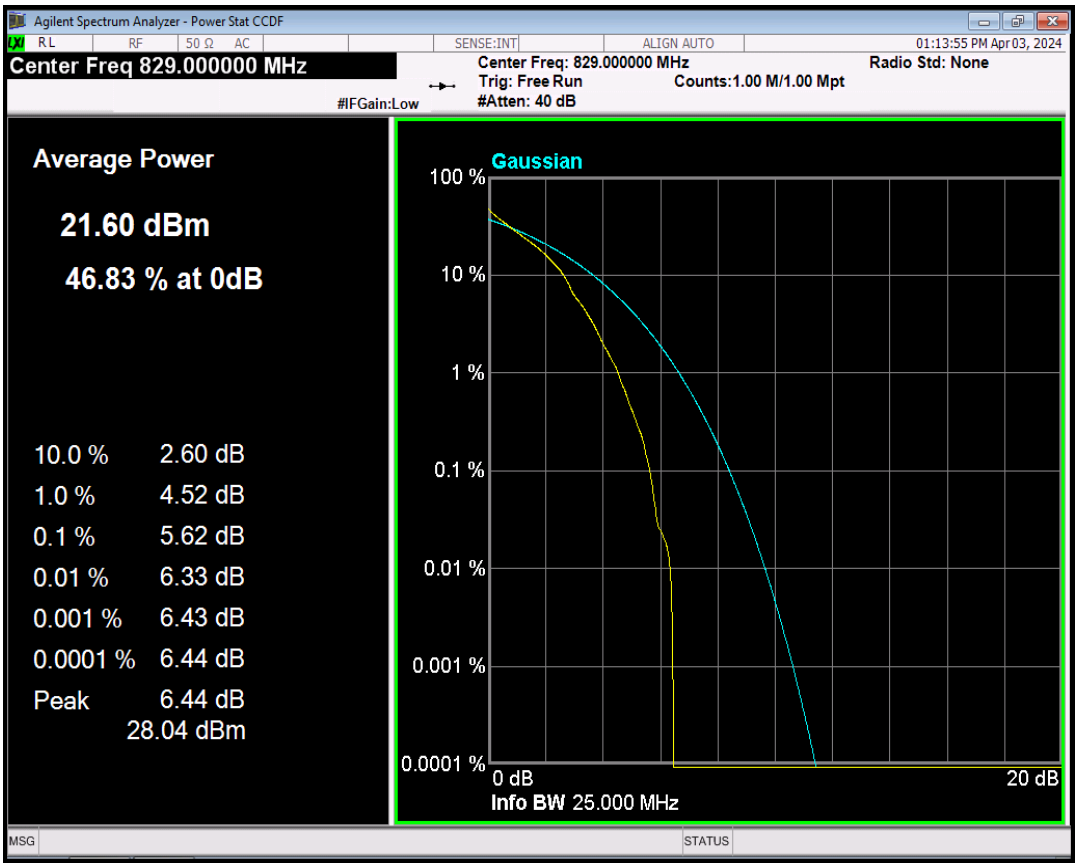
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0



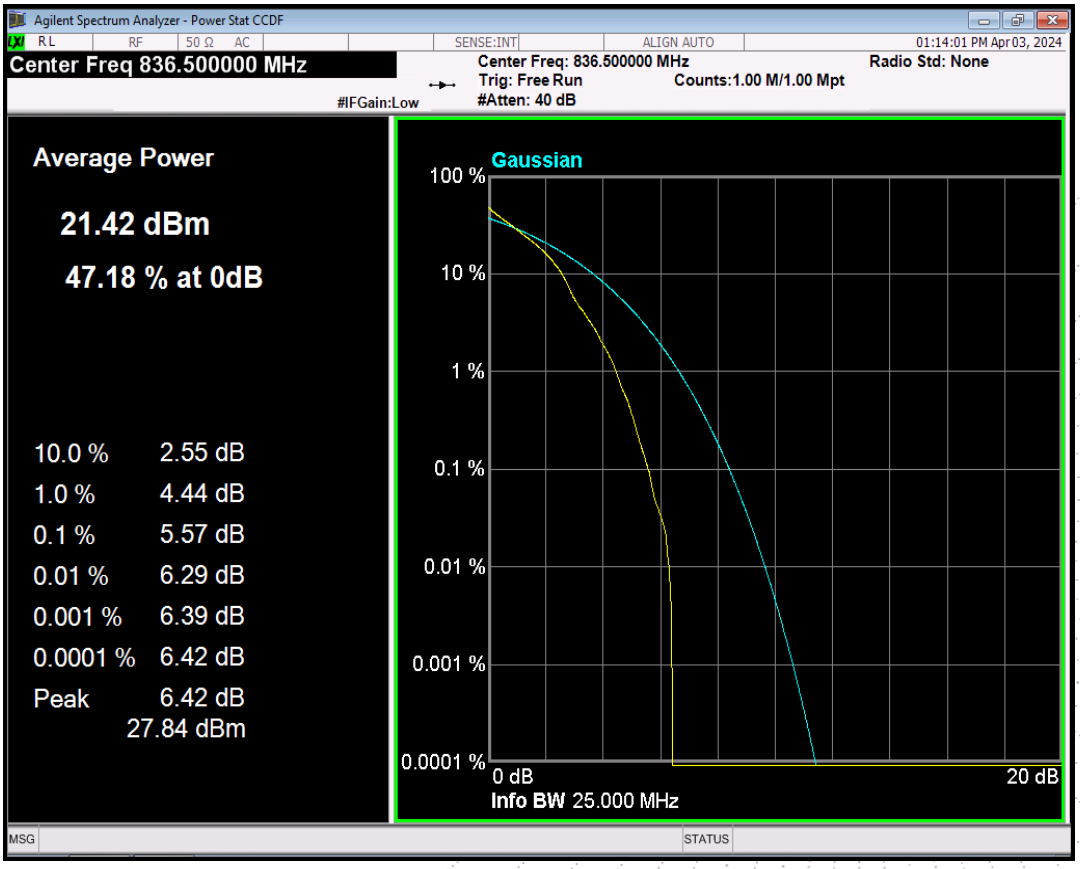
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0



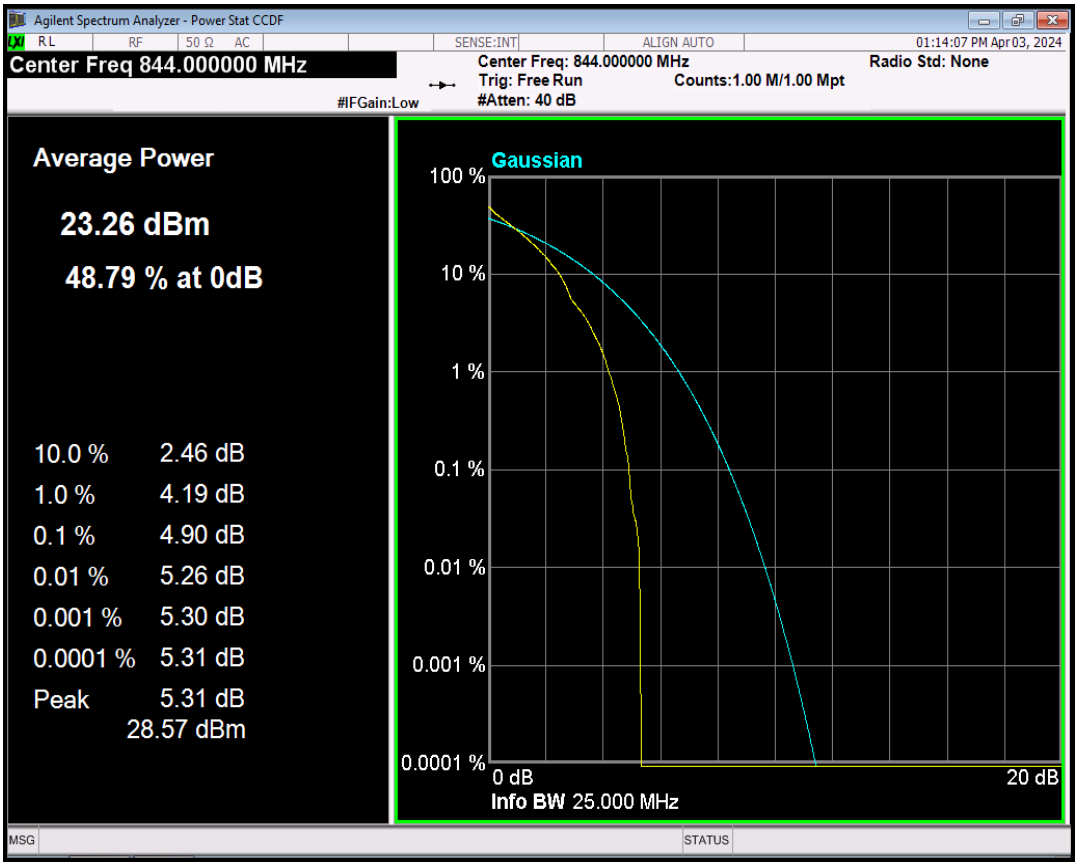
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0



Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0



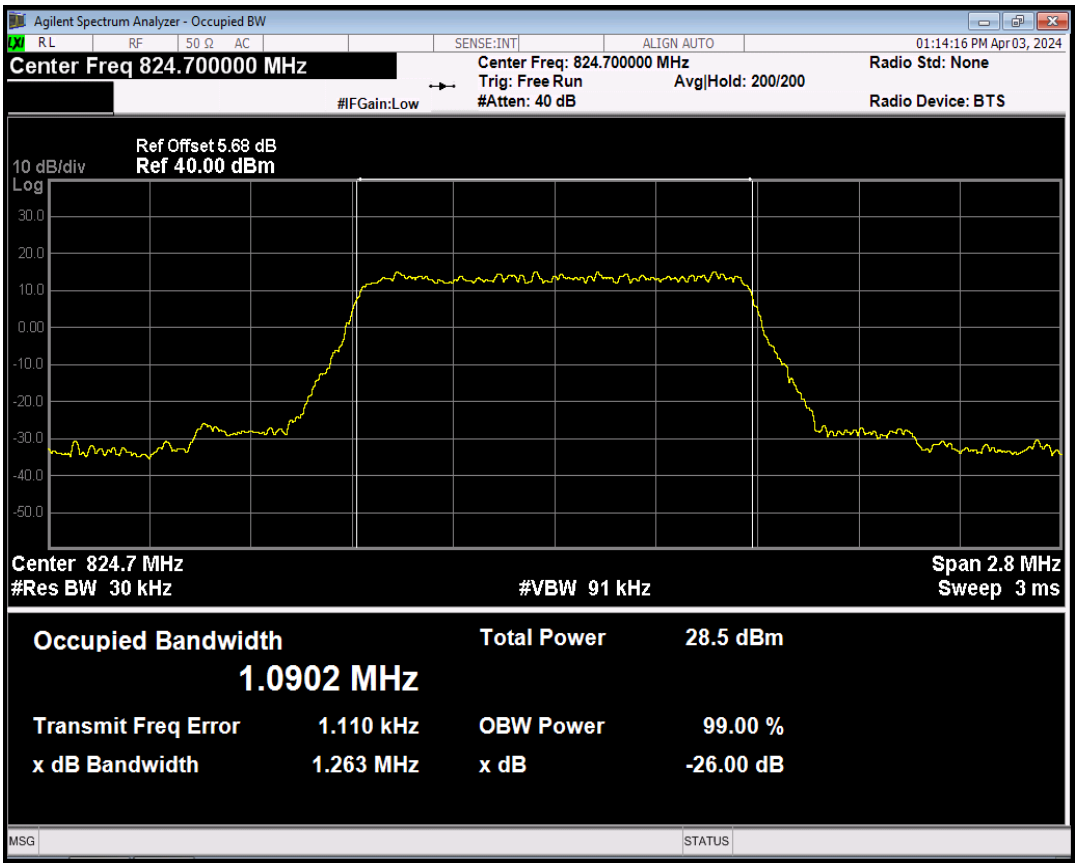
Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0



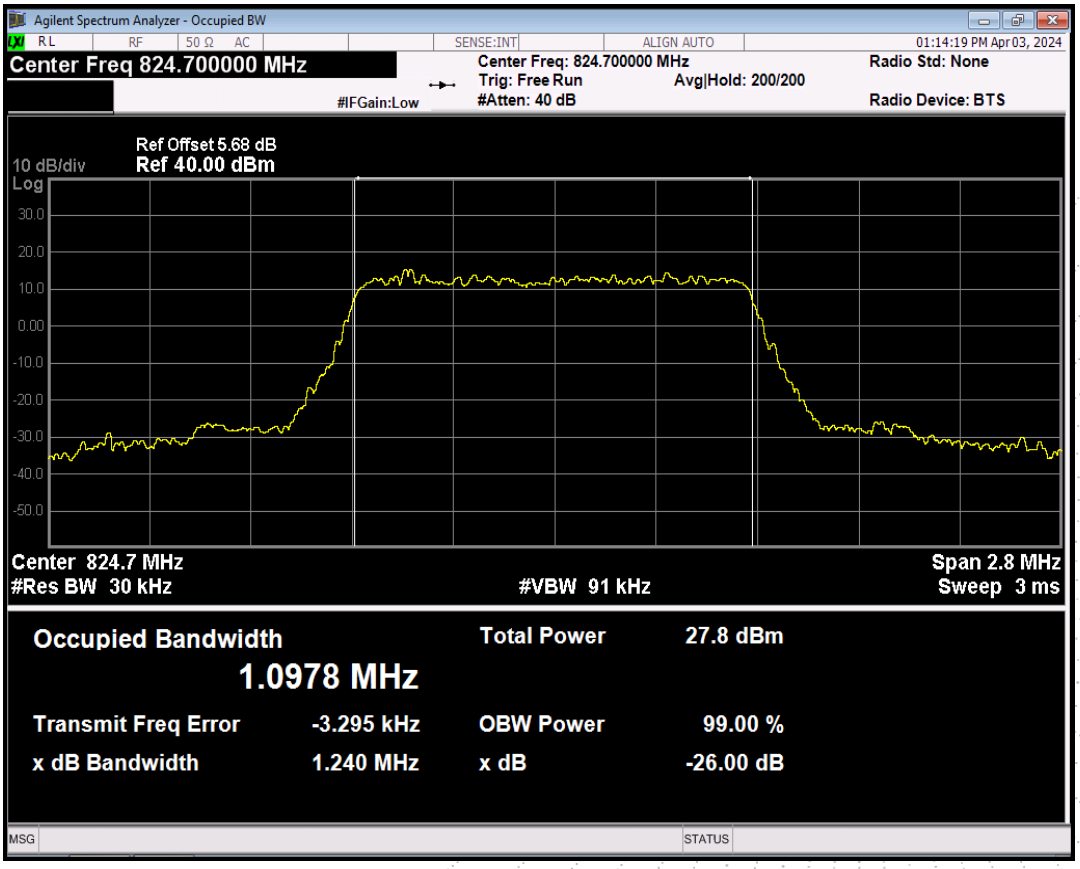
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band5	1.4	20407	6	#0	QPSK	1.090	1.263	PASS
Band5	1.4	20407	6	#0	16QAM	1.098	1.240	PASS
Band5	1.4	20525	6	#0	QPSK	1.093	1.265	PASS
Band5	1.4	20525	6	#0	16QAM	1.095	1.263	PASS
Band5	1.4	20643	6	#0	QPSK	1.097	1.277	PASS
Band5	1.4	20643	6	#0	16QAM	1.094	1.255	PASS
Band5	3	20415	15	#0	QPSK	2.690	2.939	PASS
Band5	3	20415	15	#0	16QAM	2.685	2.941	PASS
Band5	3	20525	15	#0	QPSK	2.707	2.943	PASS
Band5	3	20525	15	#0	16QAM	2.695	2.951	PASS
Band5	3	20635	15	#0	QPSK	2.700	2.959	PASS
Band5	3	20635	15	#0	16QAM	2.702	2.967	PASS
Band5	5	20425	25	#0	QPSK	4.497	4.958	PASS
Band5	5	20425	25	#0	16QAM	4.490	4.885	PASS
Band5	5	20525	25	#0	QPSK	4.503	4.936	PASS
Band5	5	20525	25	#0	16QAM	4.504	4.916	PASS
Band5	5	20625	25	#0	QPSK	4.511	4.911	PASS
Band5	5	20625	25	#0	16QAM	4.524	4.964	PASS
Band5	10	20450	50	#0	QPSK	8.936	9.687	PASS
Band5	10	20525	50	#0	QPSK	8.956	9.649	PASS
Band5	10	20600	50	#0	QPSK	8.986	9.614	PASS

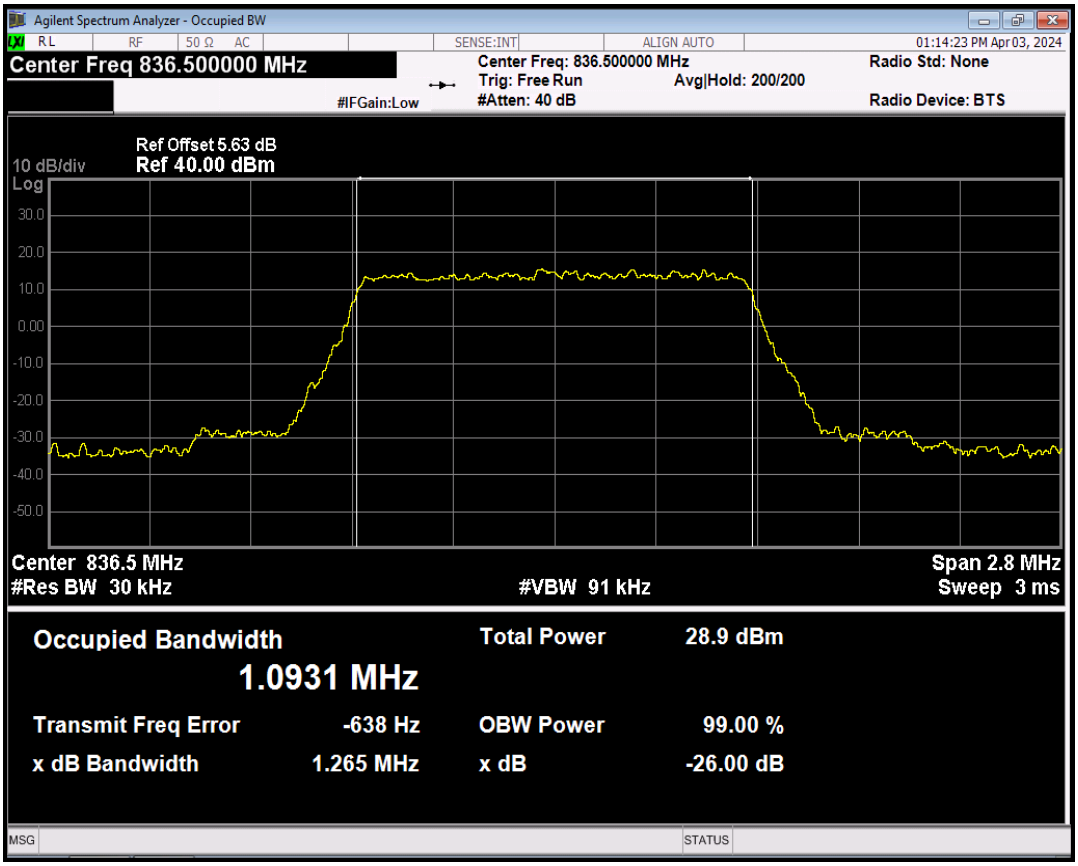
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



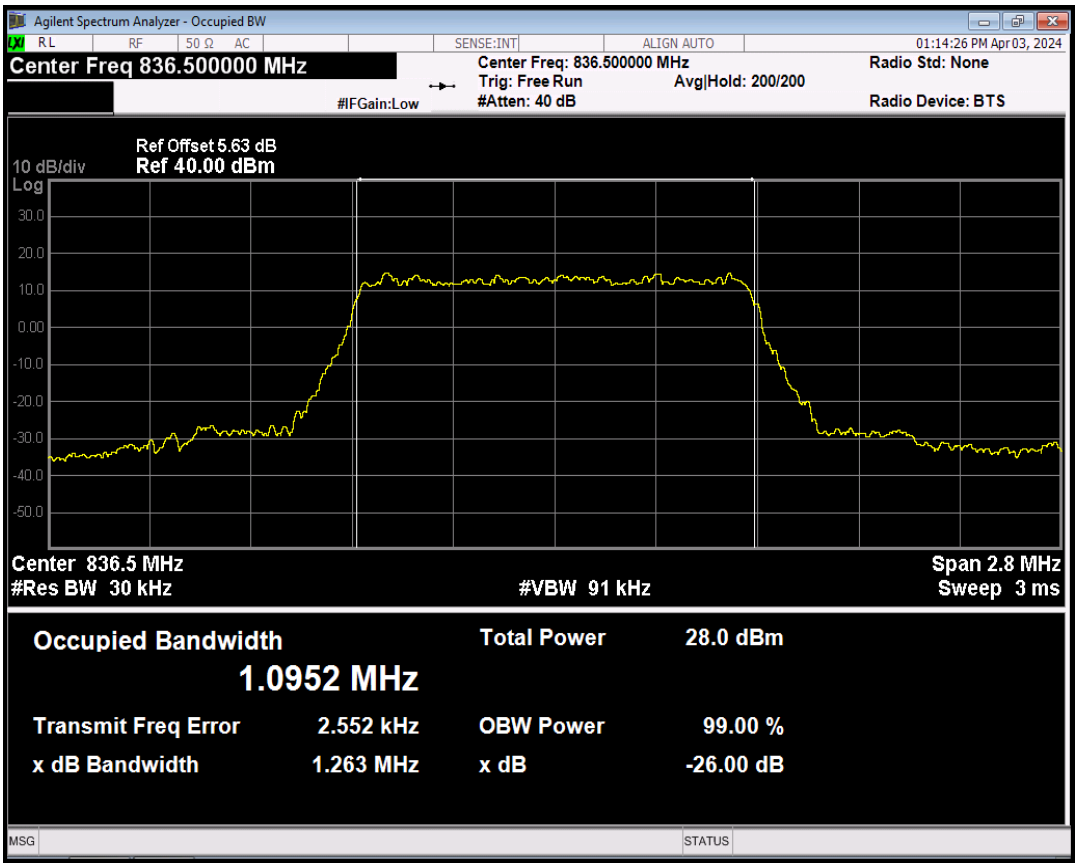
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



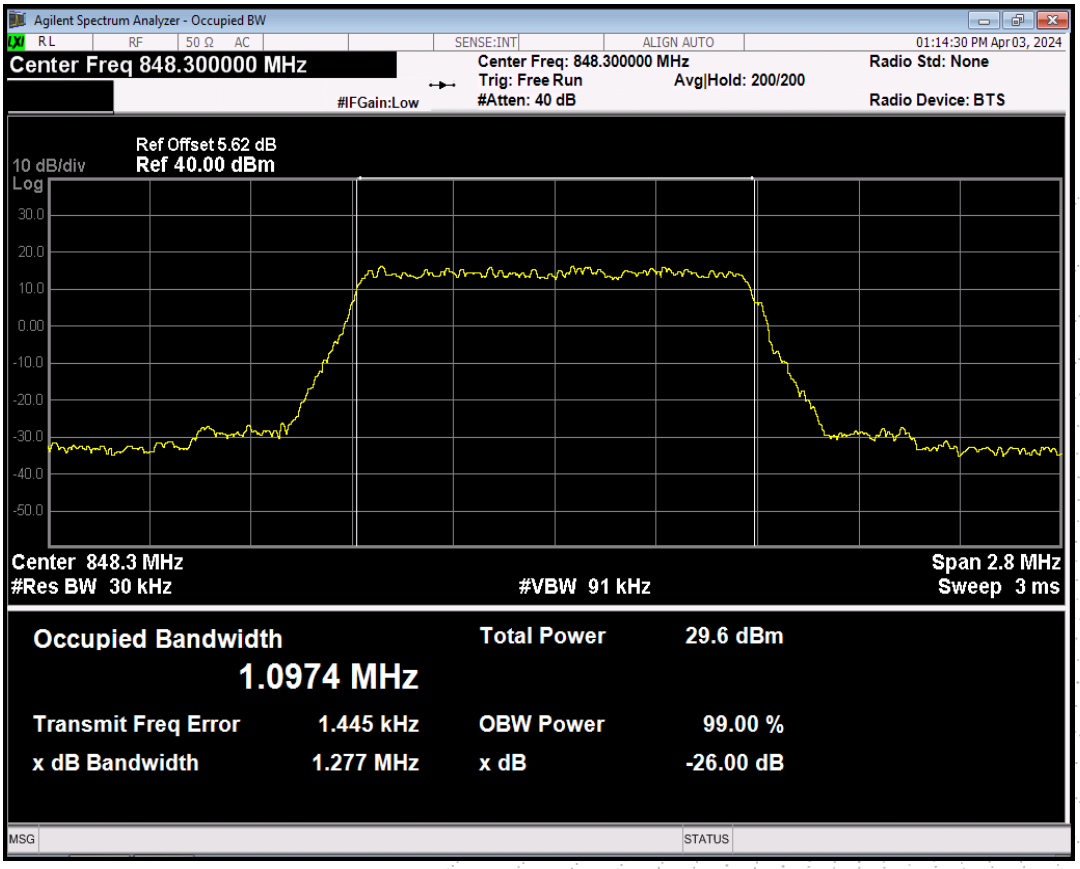
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



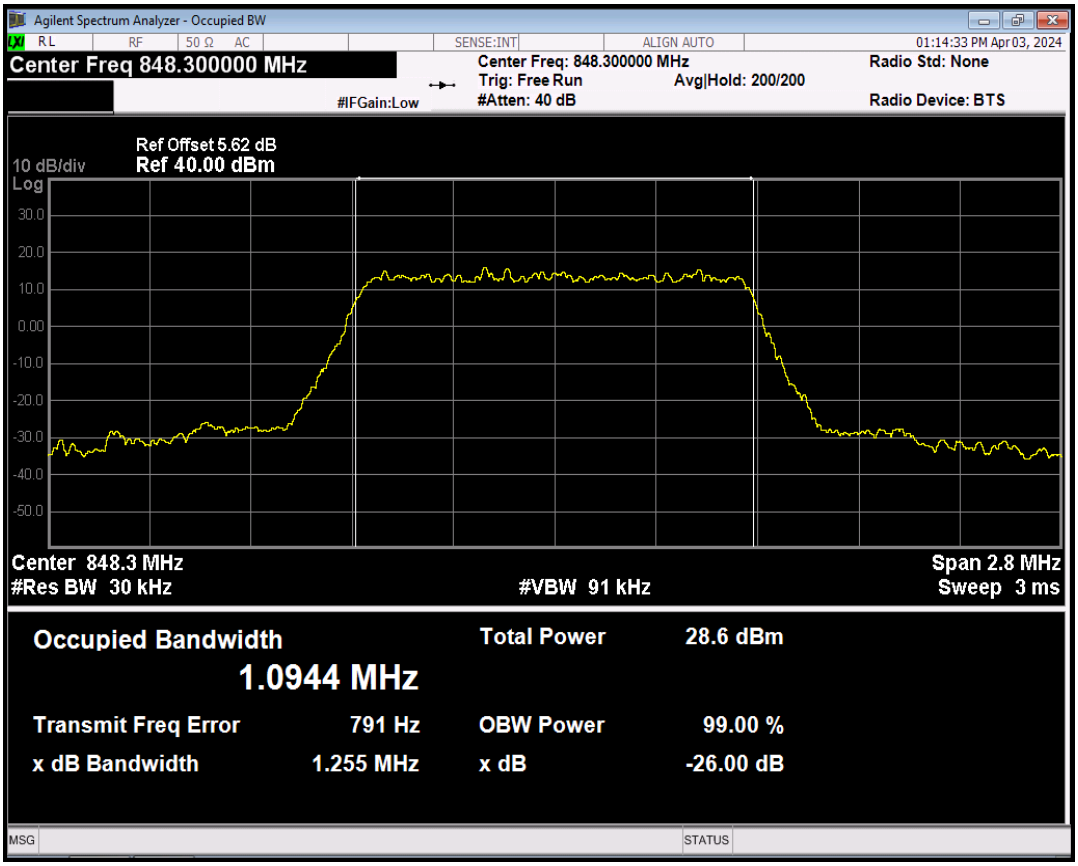
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0



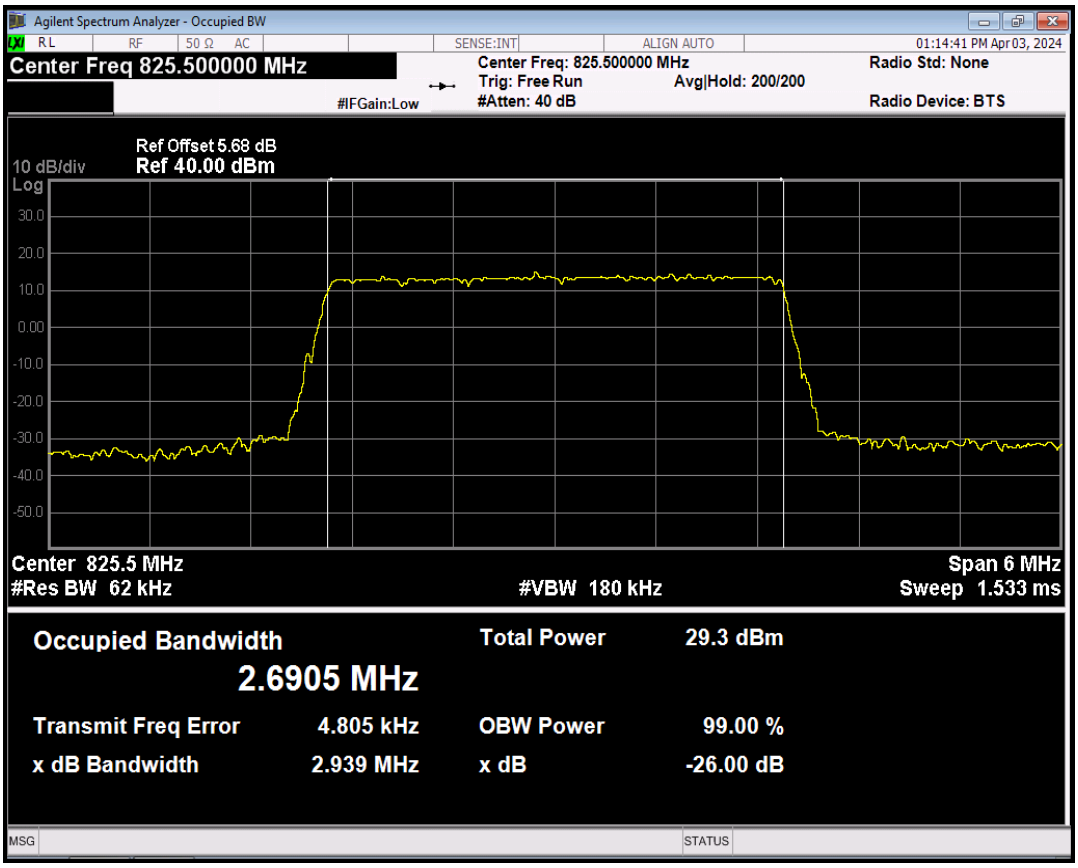
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



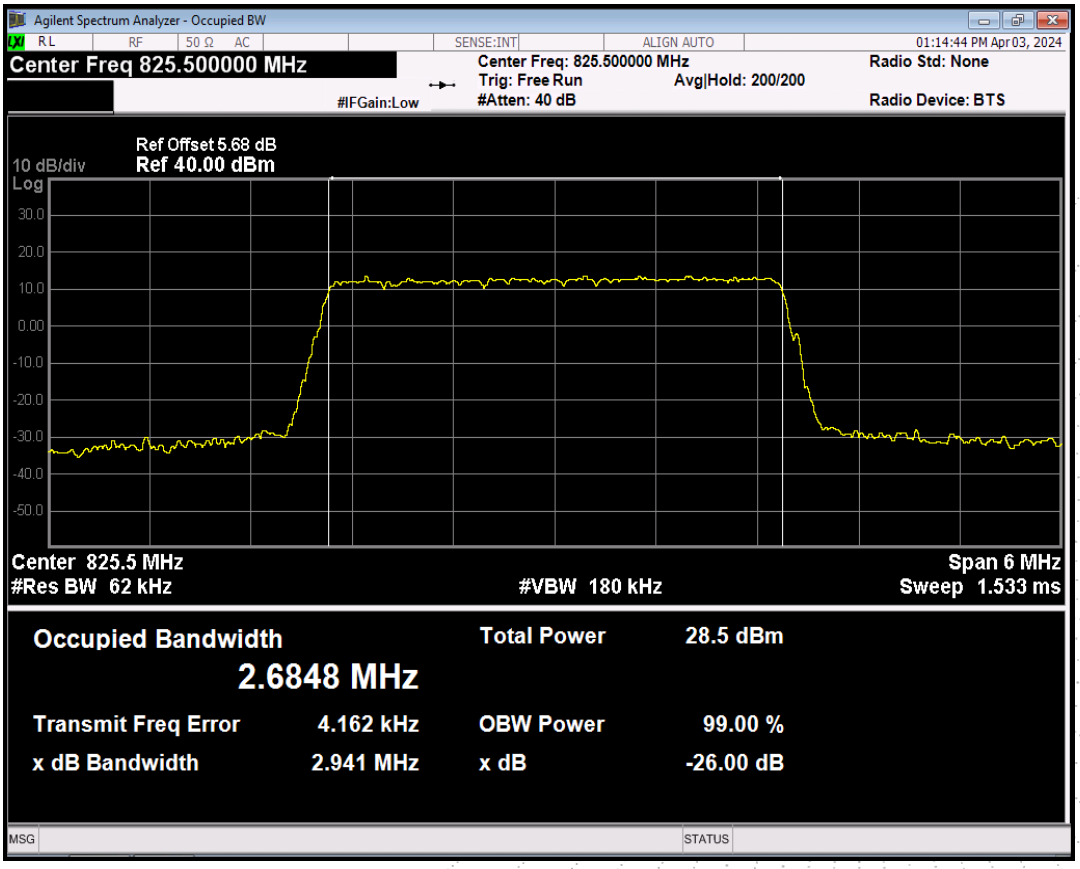
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



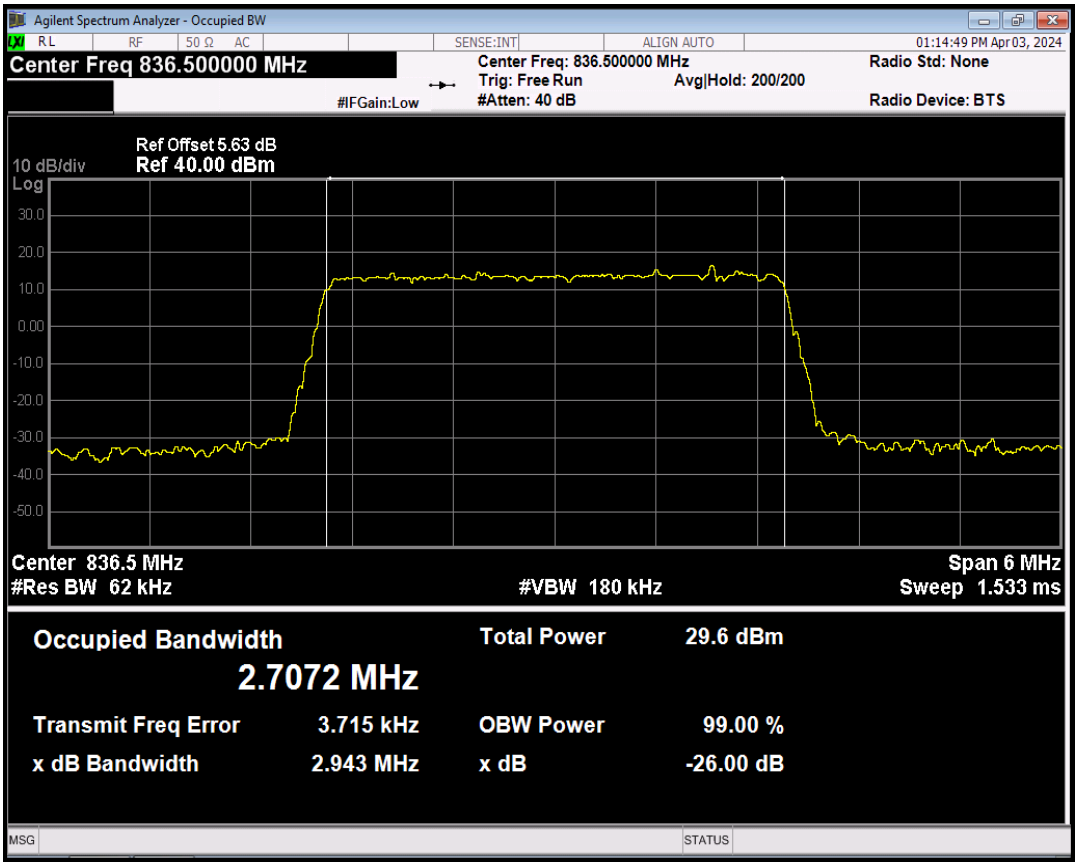
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



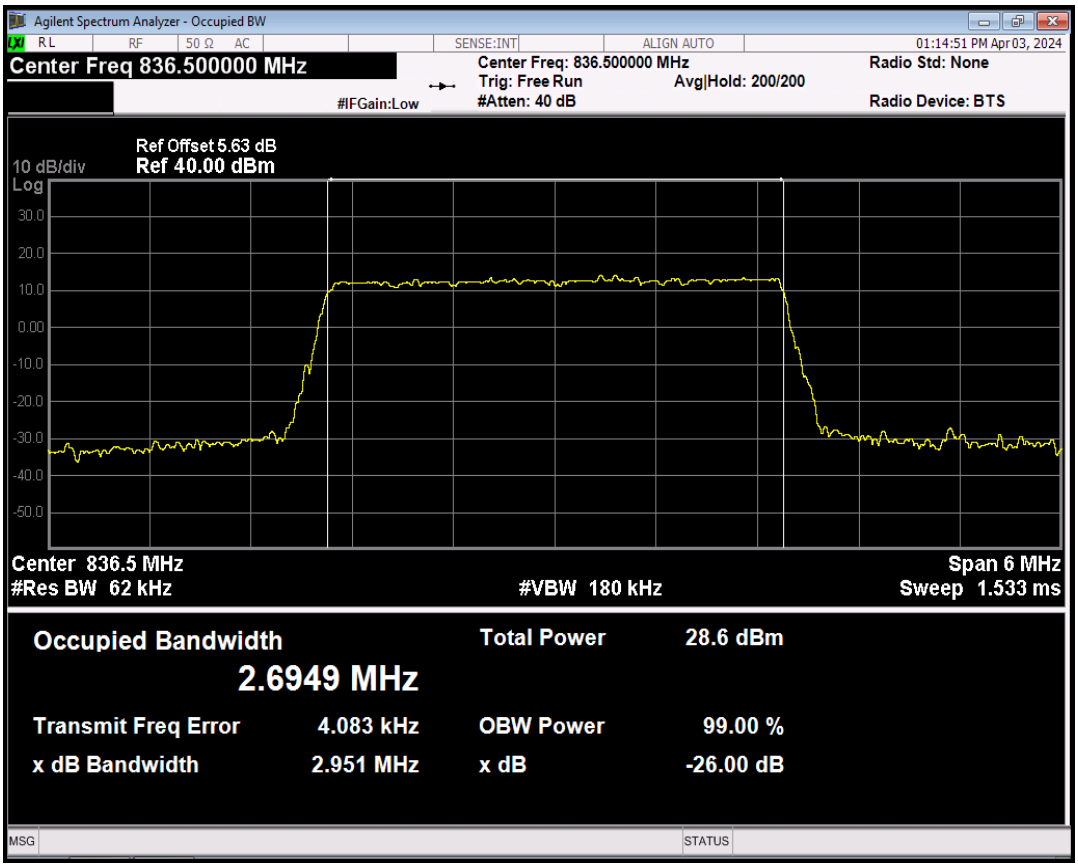
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



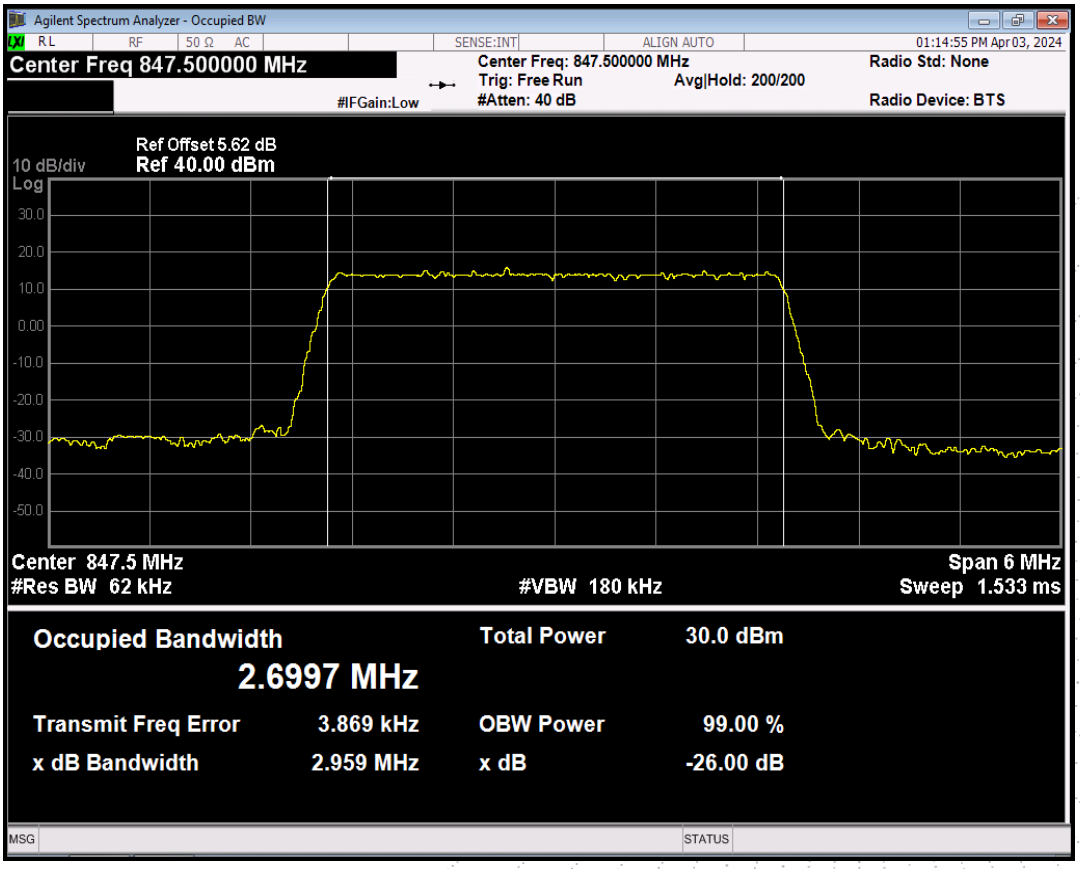
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



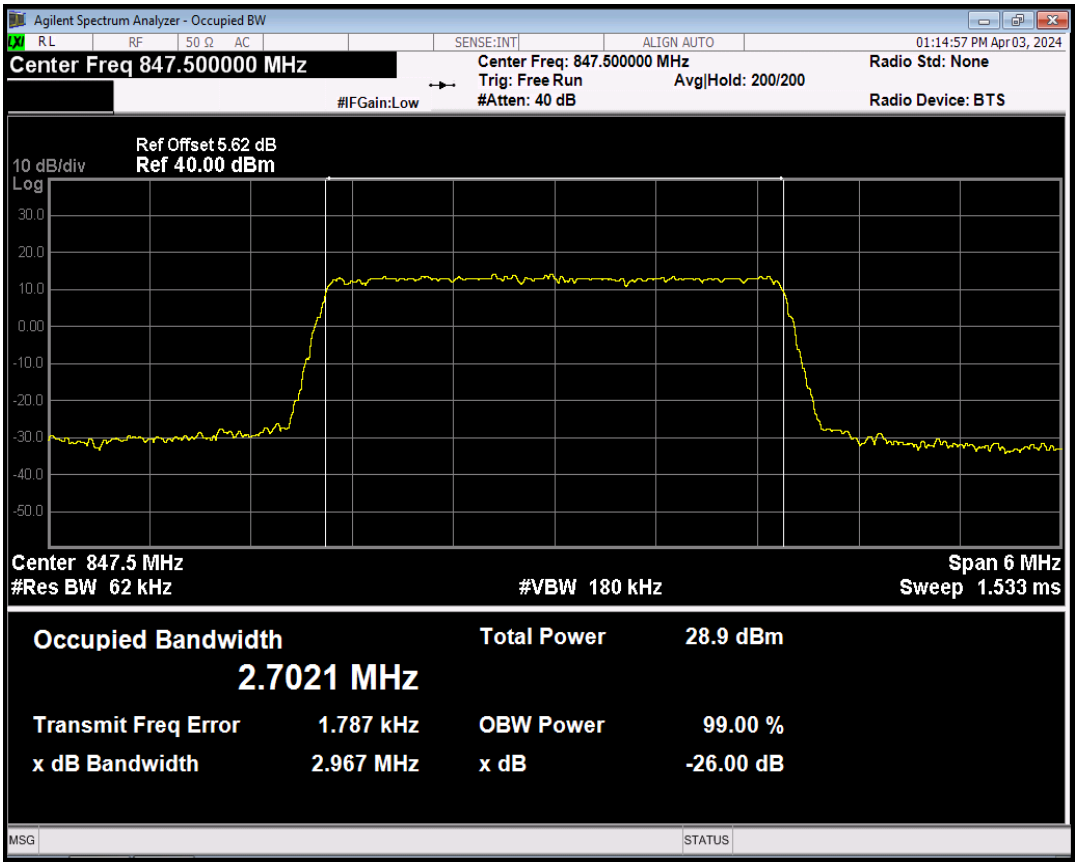
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0



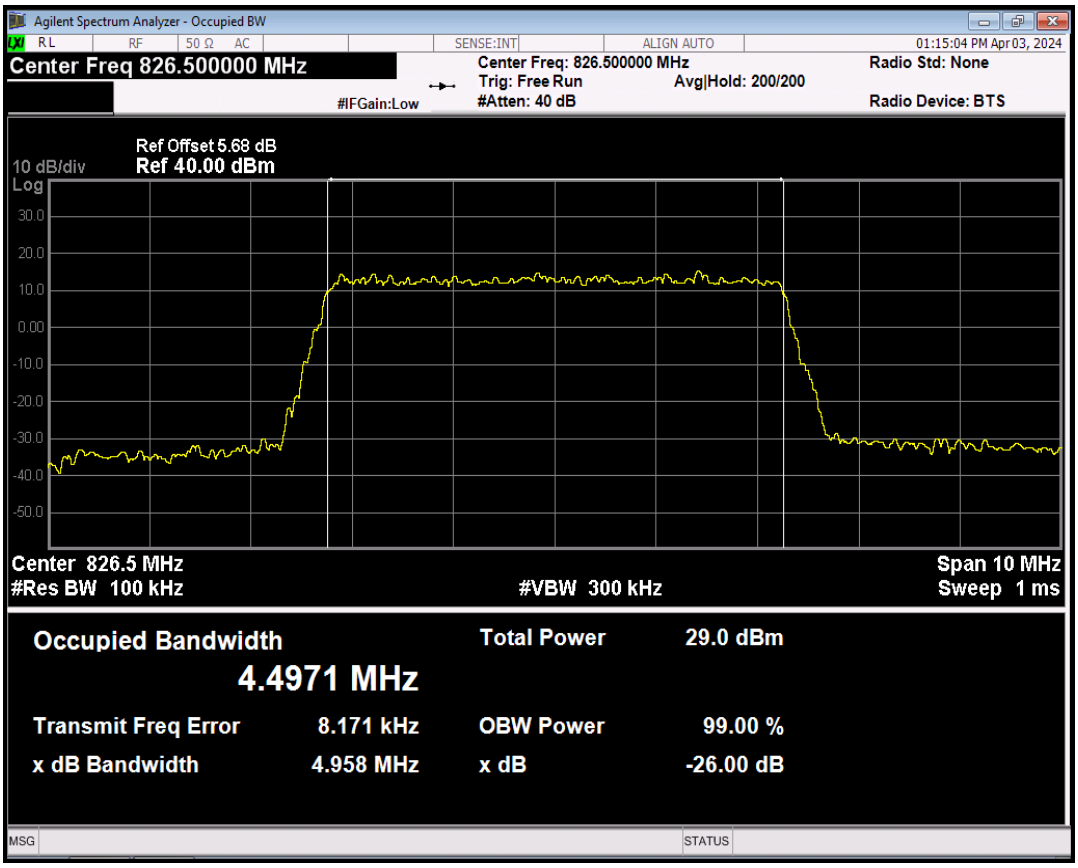
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



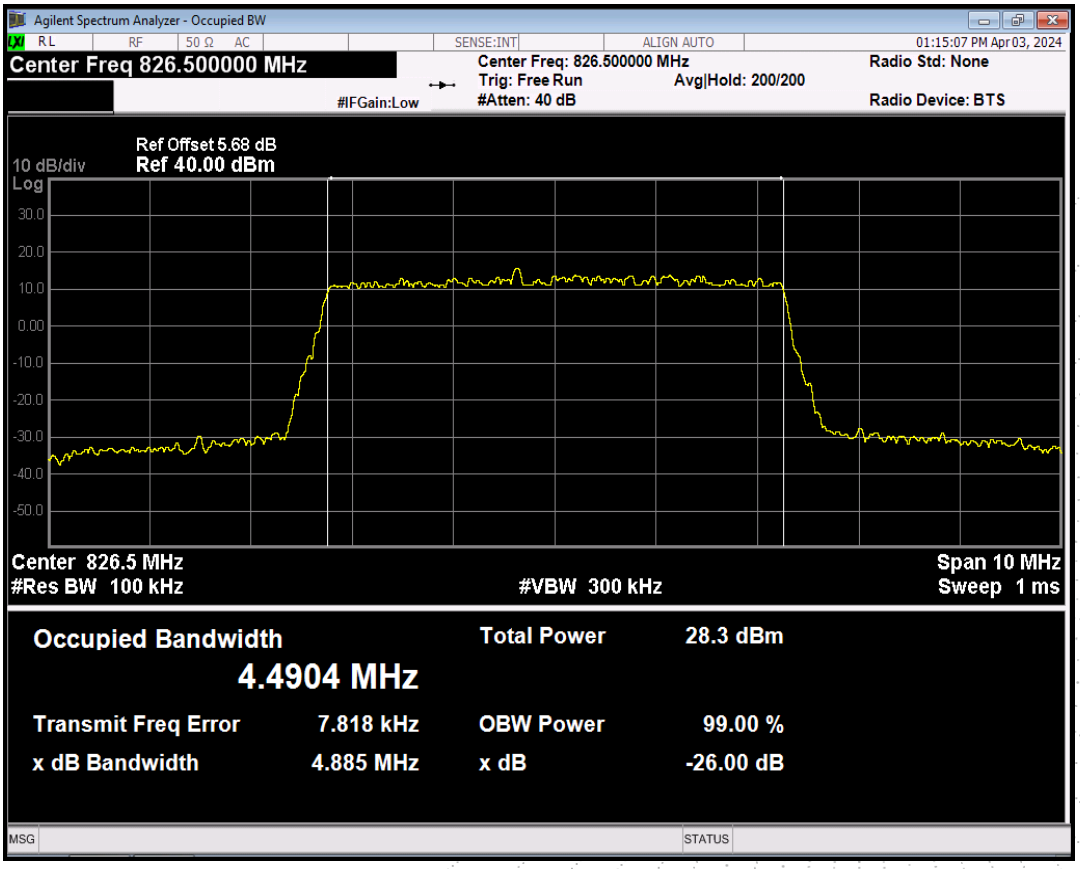
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



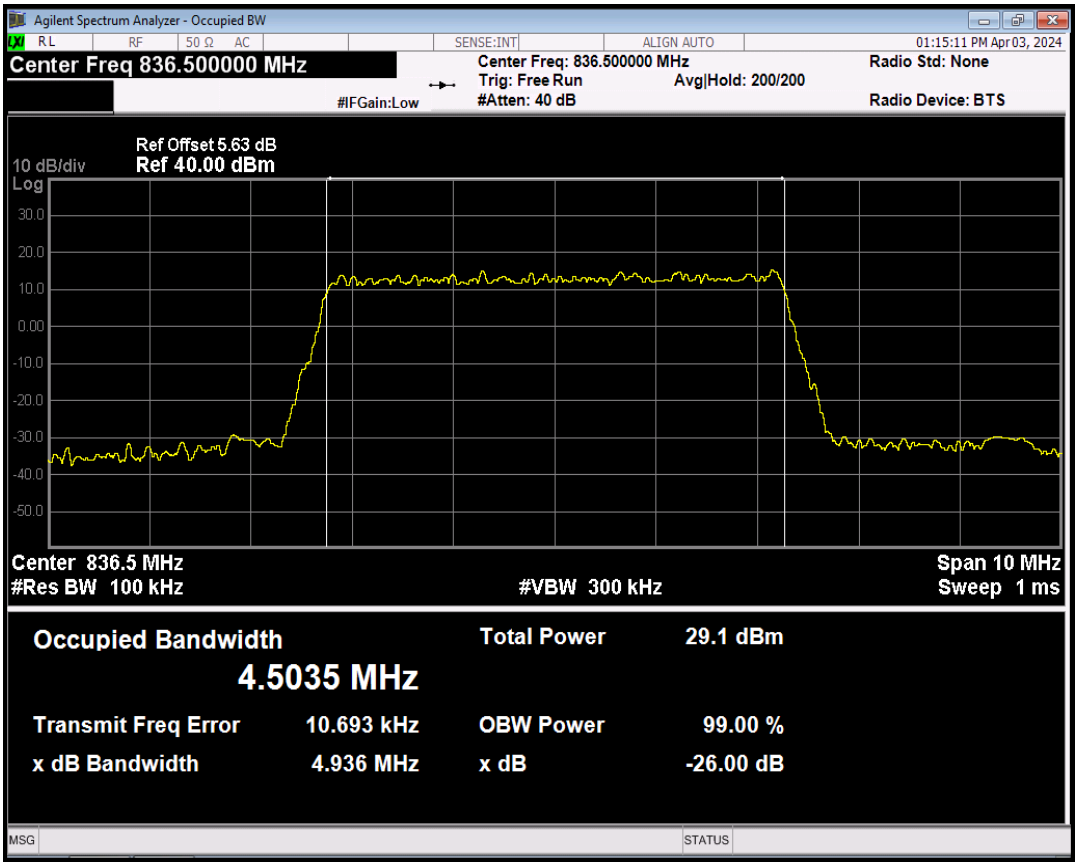
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



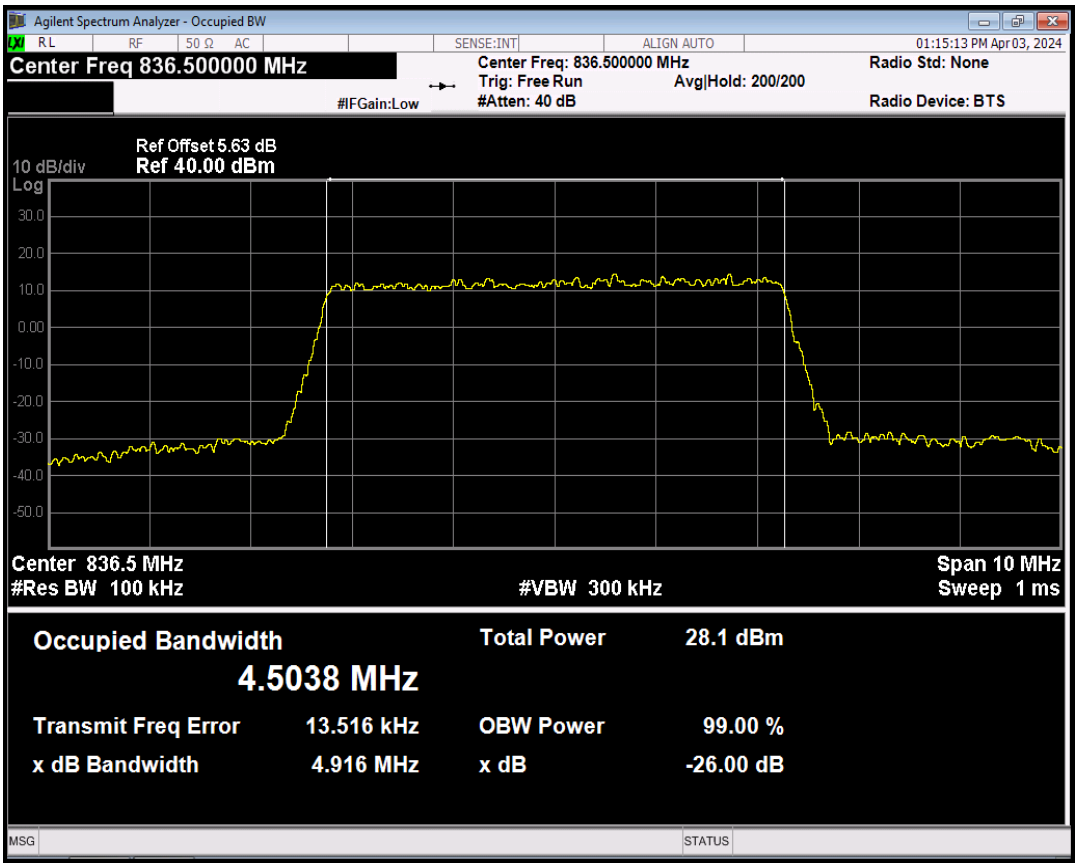
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



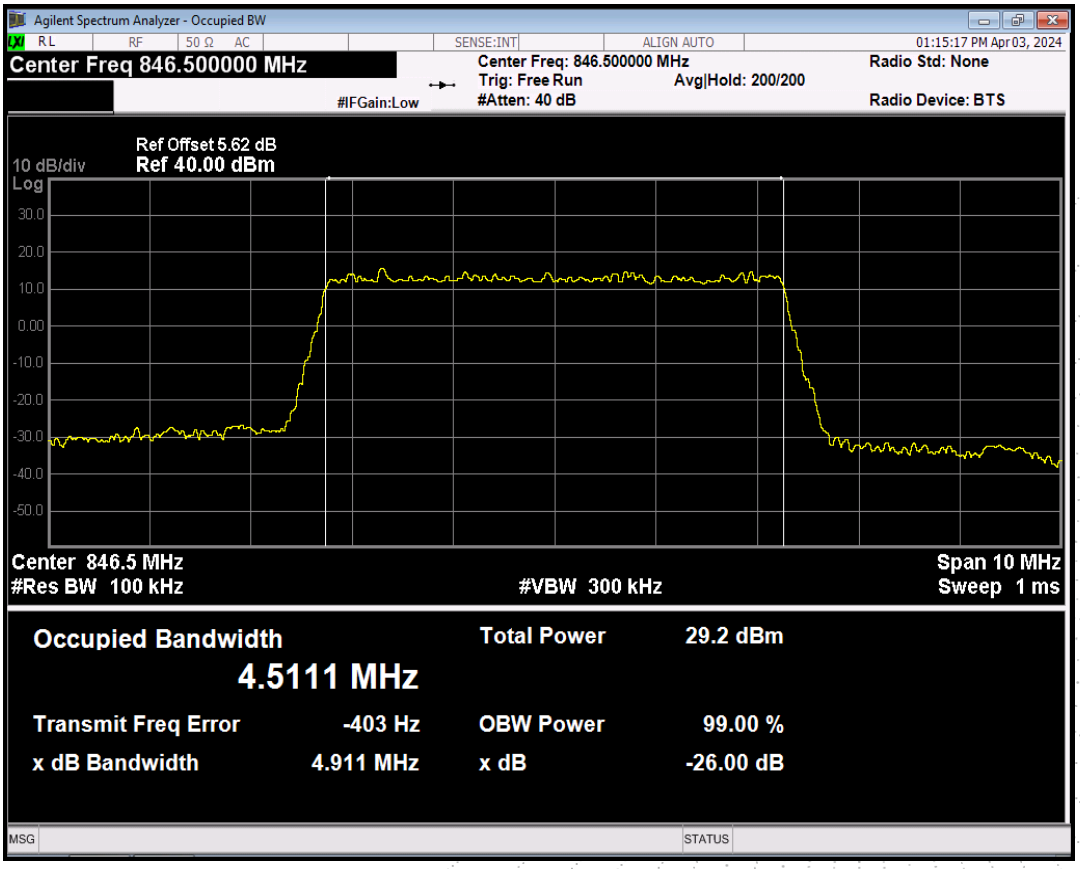
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



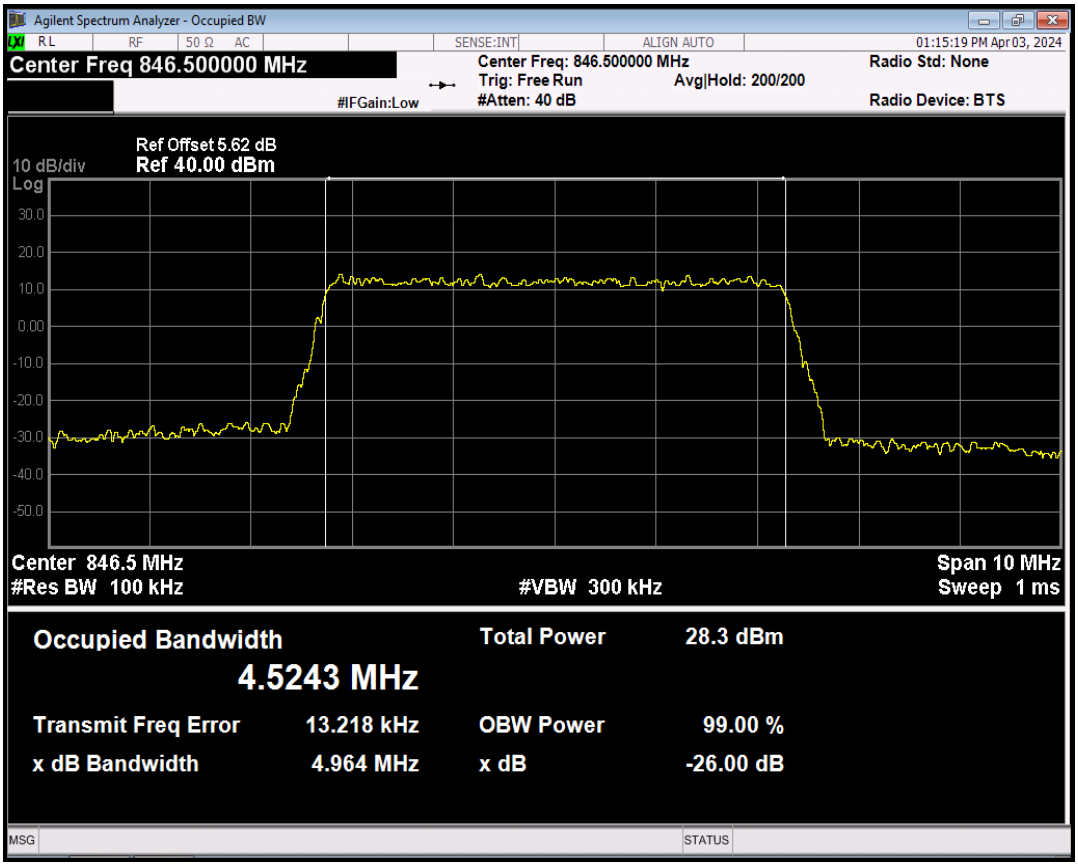
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



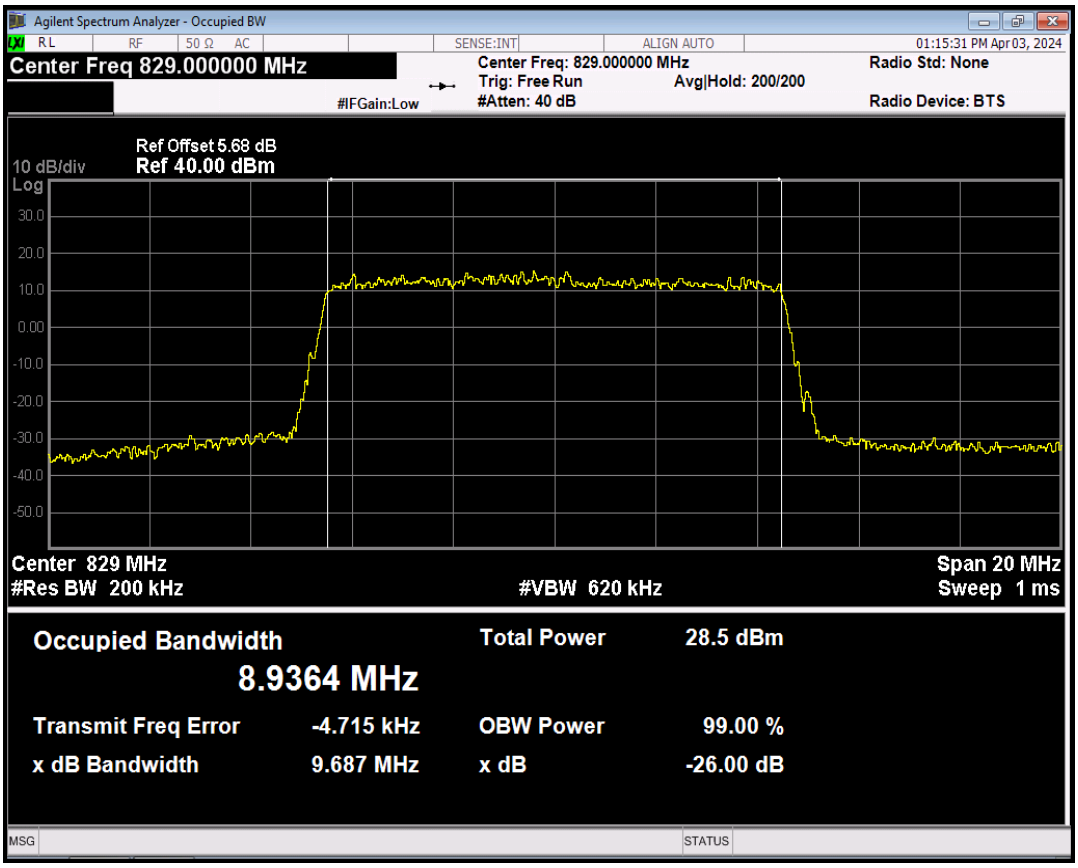
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



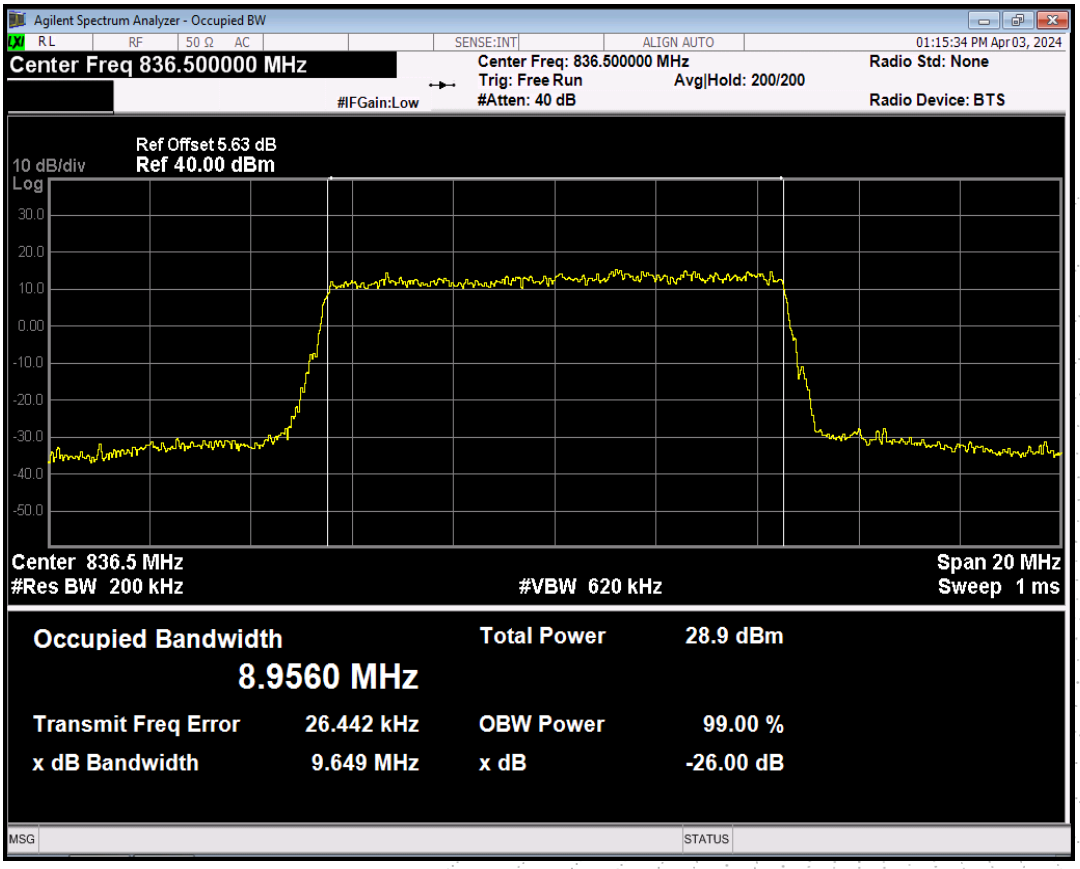
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



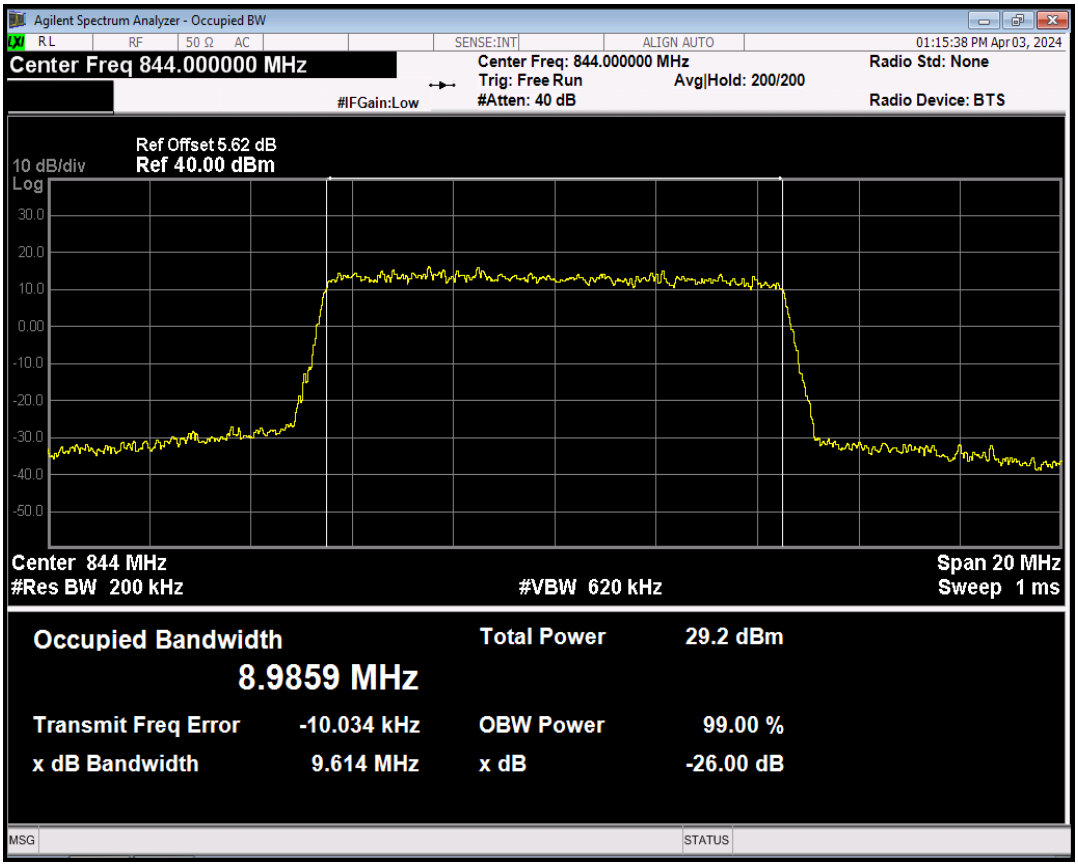
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



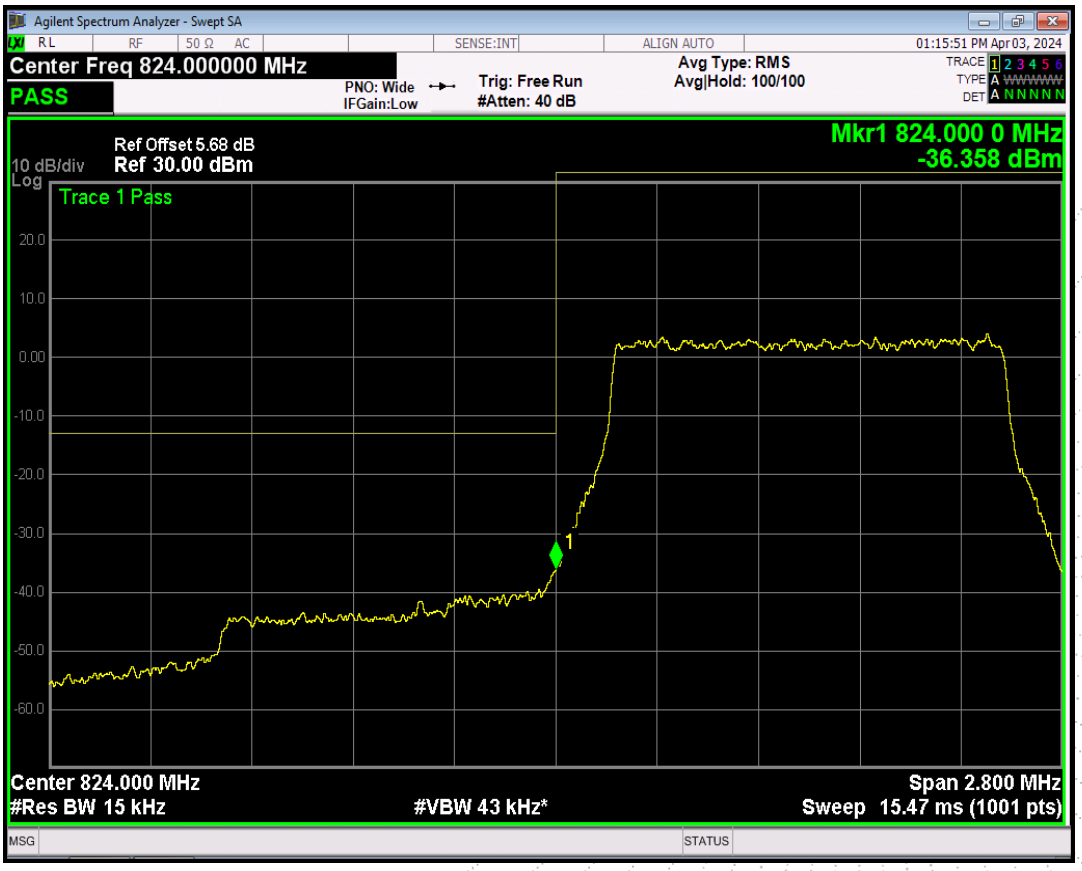
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



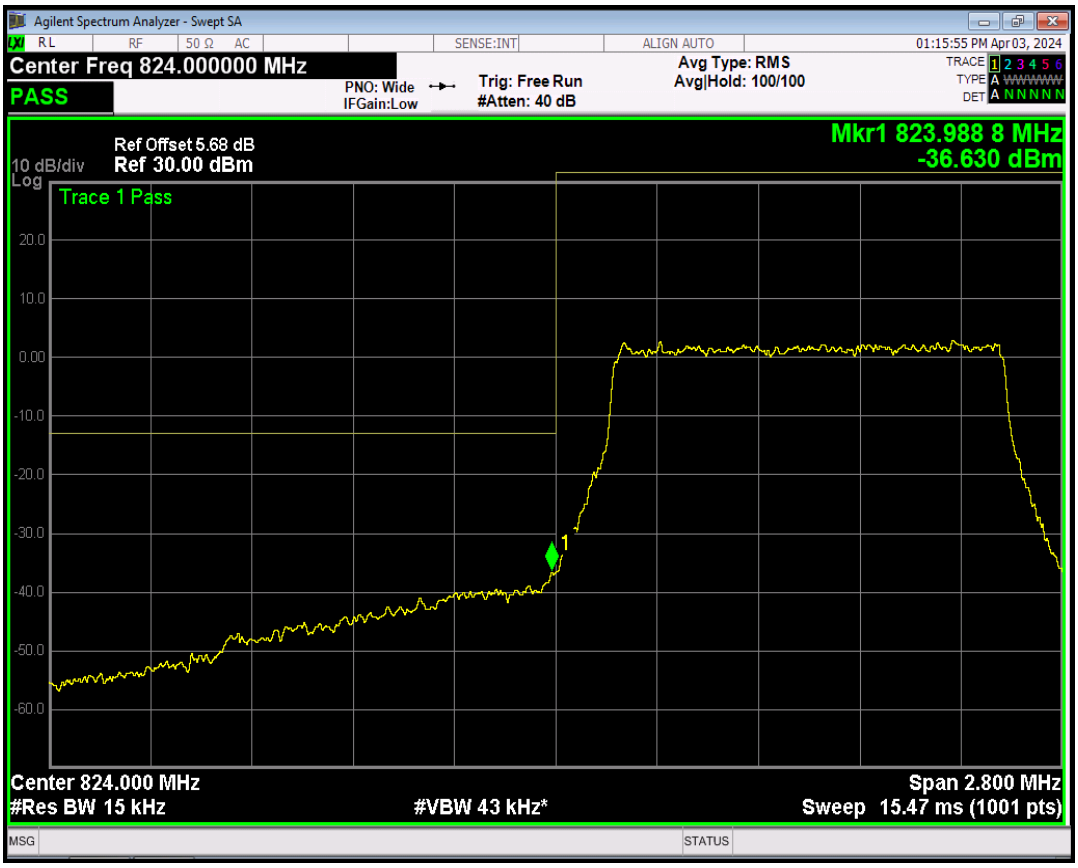
Appendix 5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	824.00	-36.35	-13	PASS
Band5	1.4	20407	6	#0	16QAM	823.99	-36.62	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.00	-35.56	-13	PASS
Band5	1.4	20643	6	#0	16QAM	849.00	-36.39	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-34.27	-13	PASS
Band5	3	20415	15	#0	16QAM	824.00	-34.96	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-36.16	-13	PASS
Band5	3	20635	15	#0	16QAM	849.00	-34.40	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-34.88	-13	PASS
Band5	5	20425	25	#0	16QAM	824.00	-36.04	-13	PASS
Band5	5	20625	25	#0	QPSK	849.00	-32.18	-13	PASS
Band5	5	20625	25	#0	16QAM	849.00	-34.79	-13	PASS
Band5	10	20450	50	#0	QPSK	824.00	-37.84	-13	PASS
Band5	10	20600	50	#0	QPSK	849.00	-38.63	-13	PASS

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0

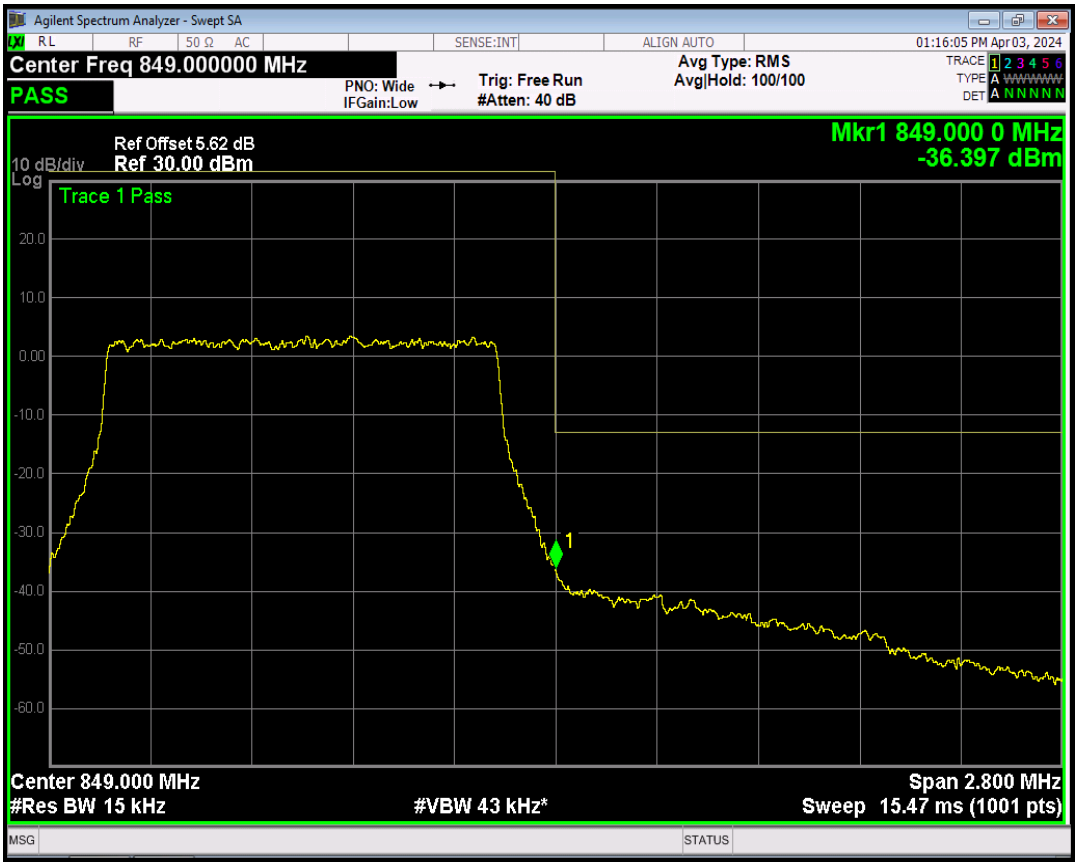


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

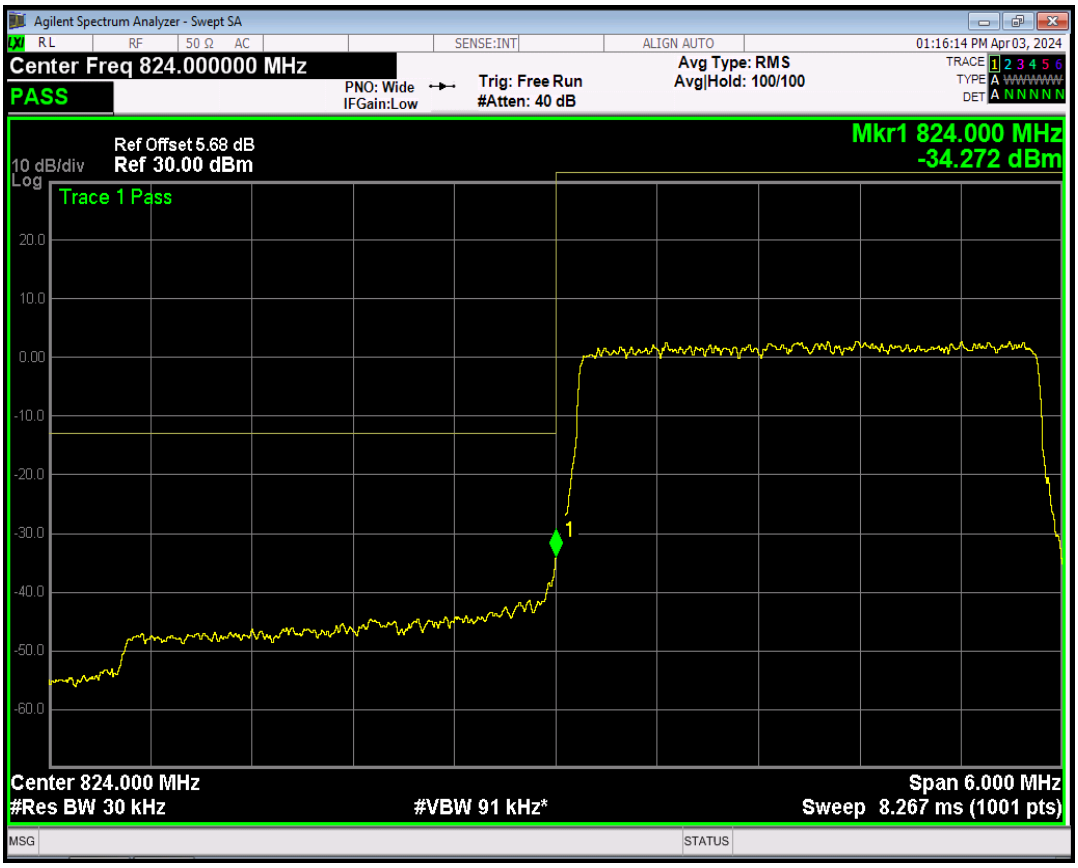


Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

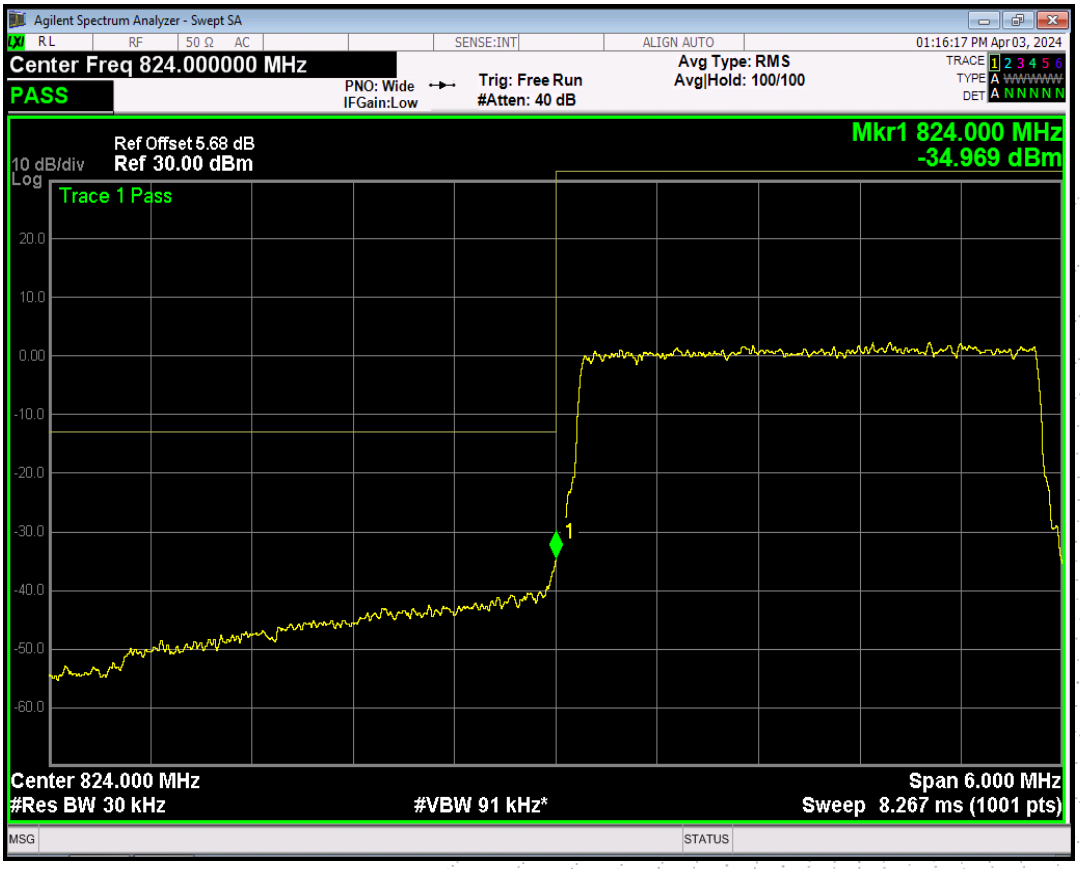
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



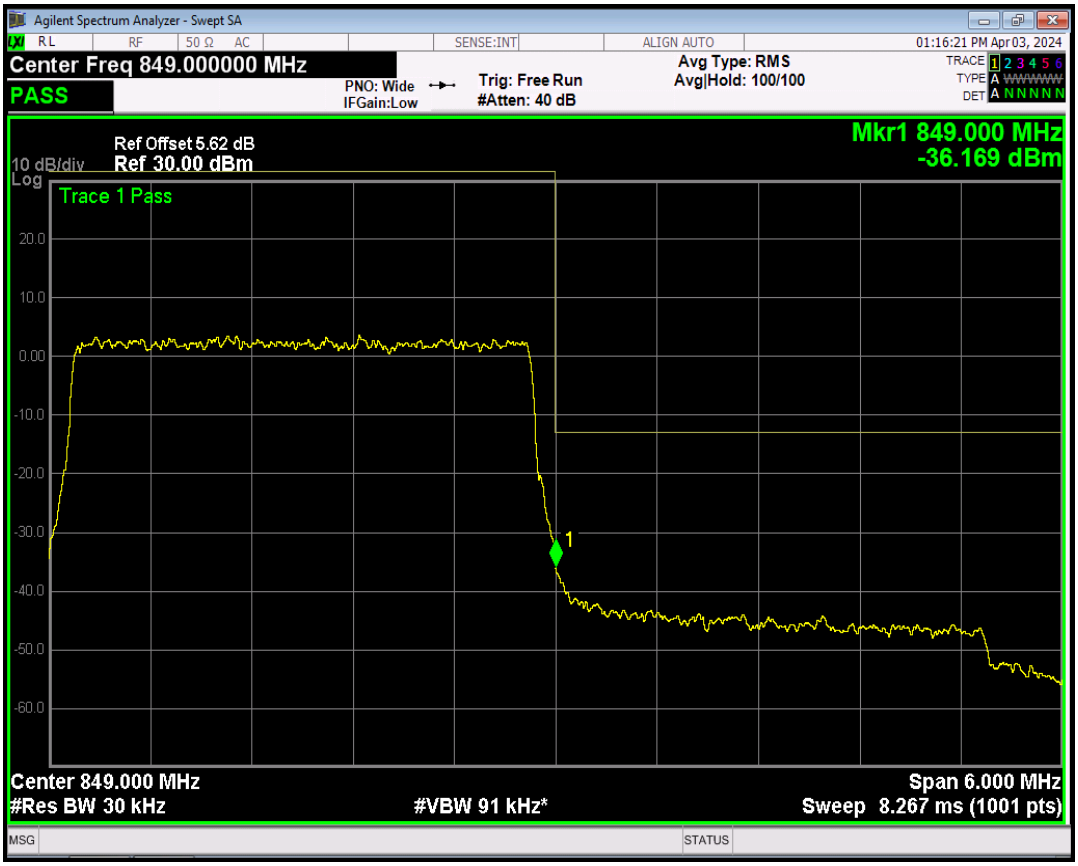
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



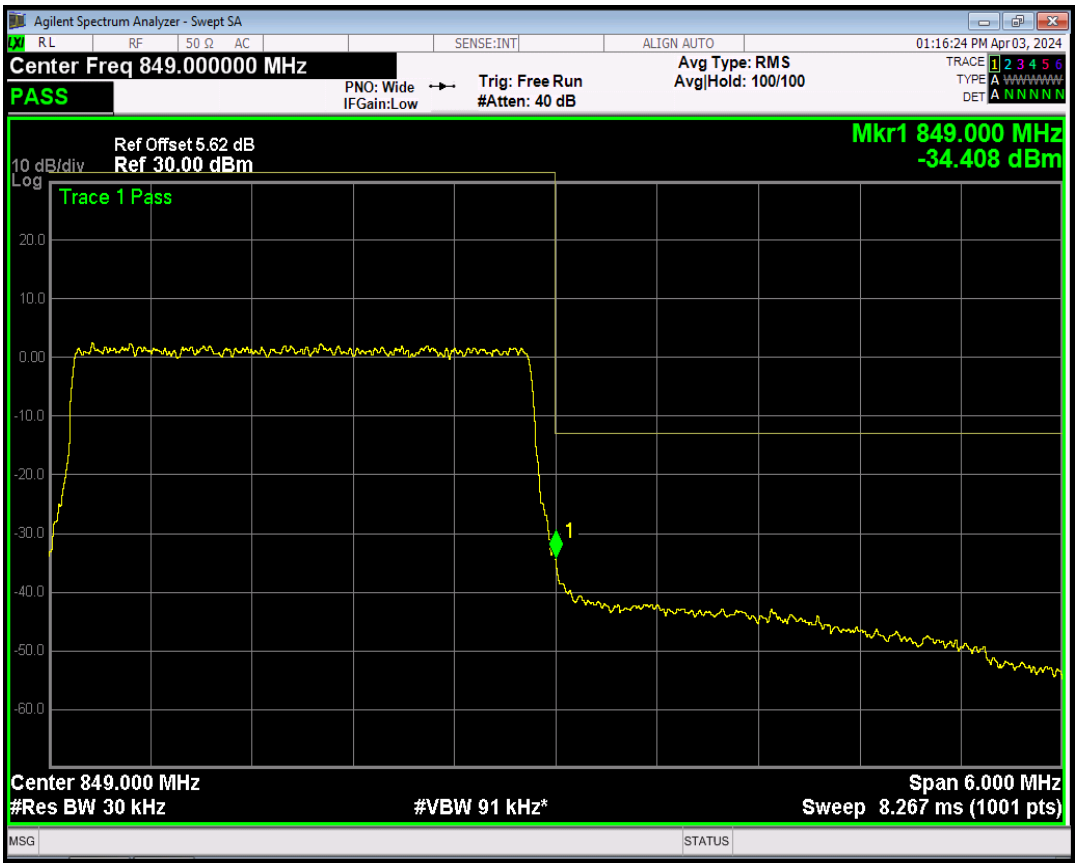
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



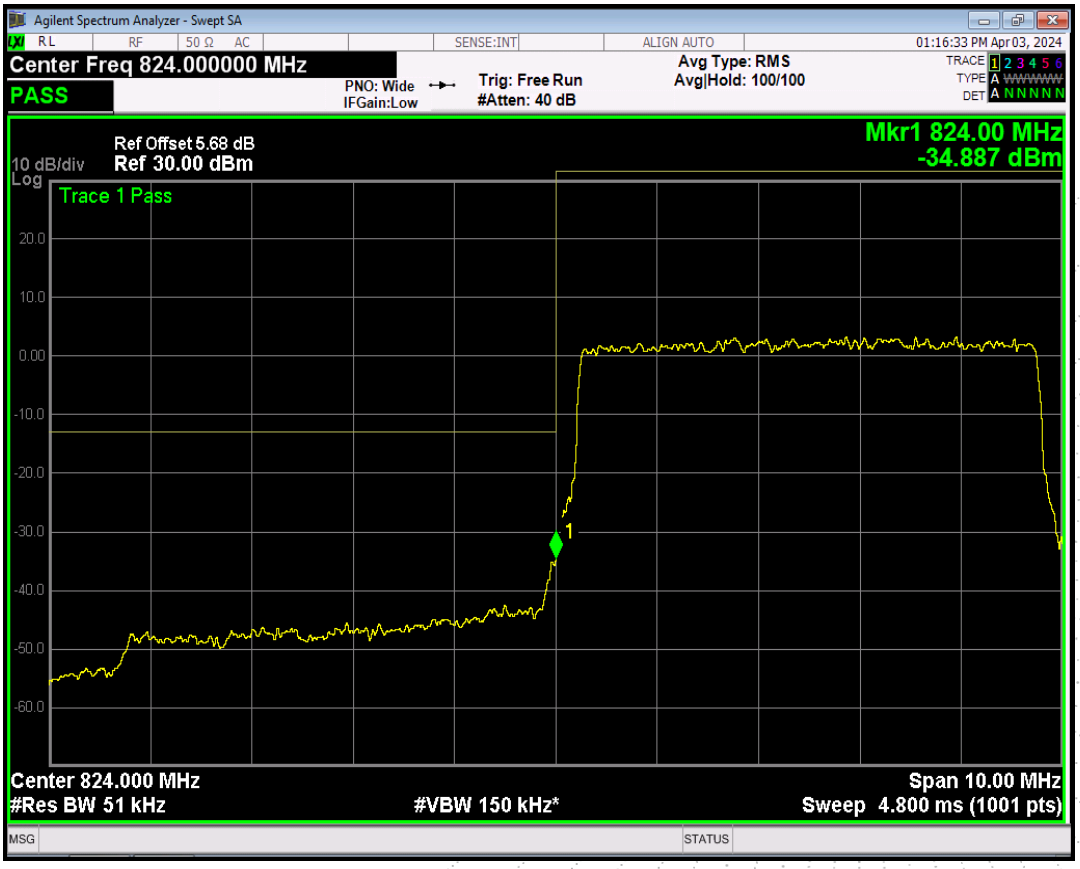
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



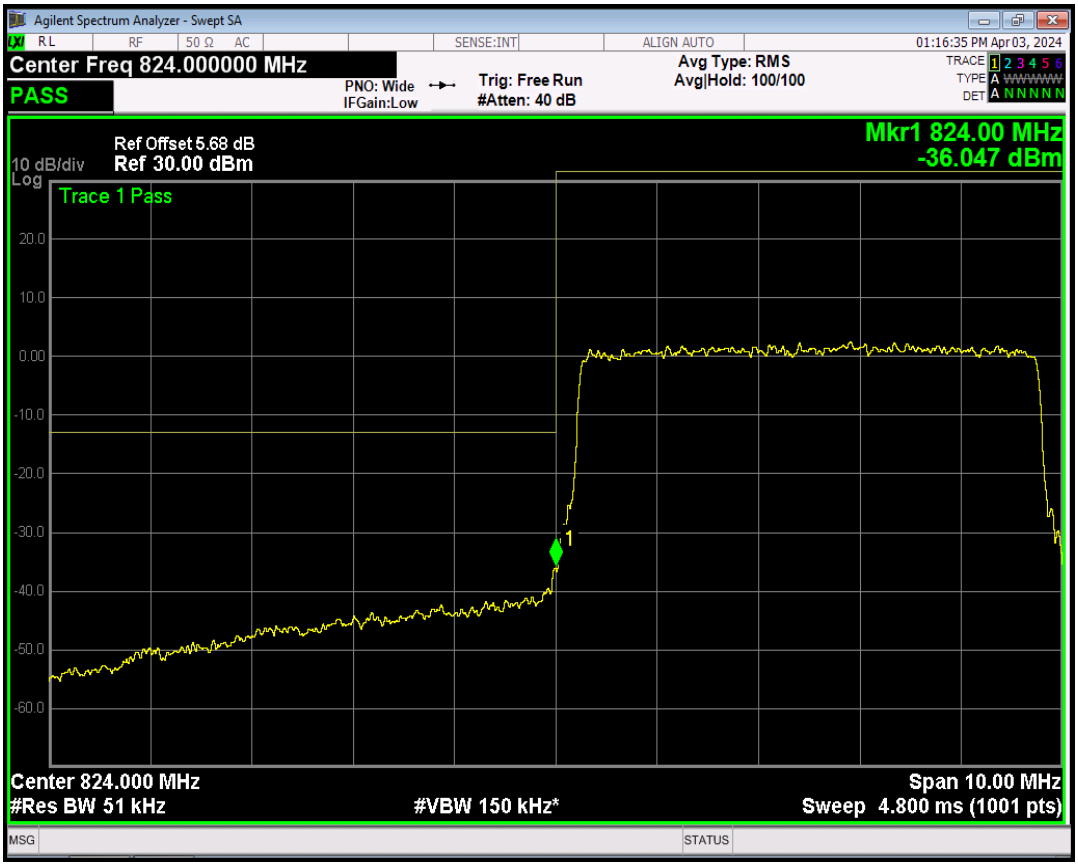
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



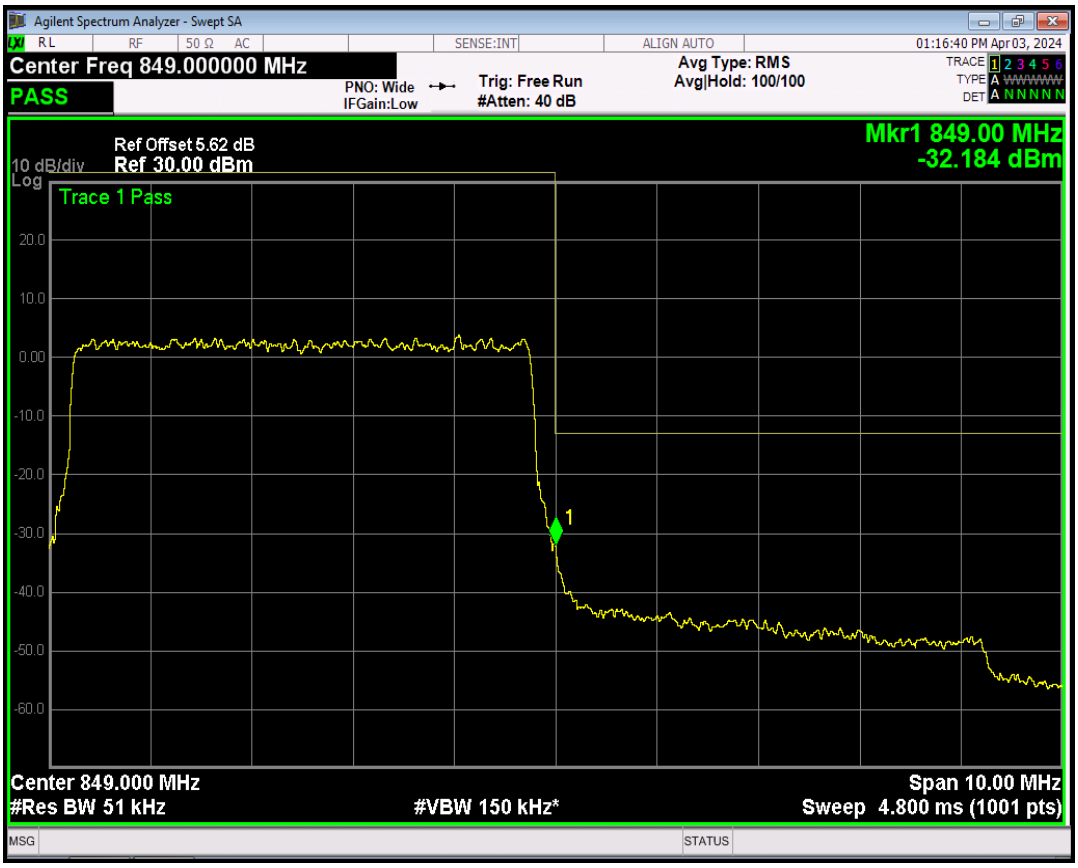
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



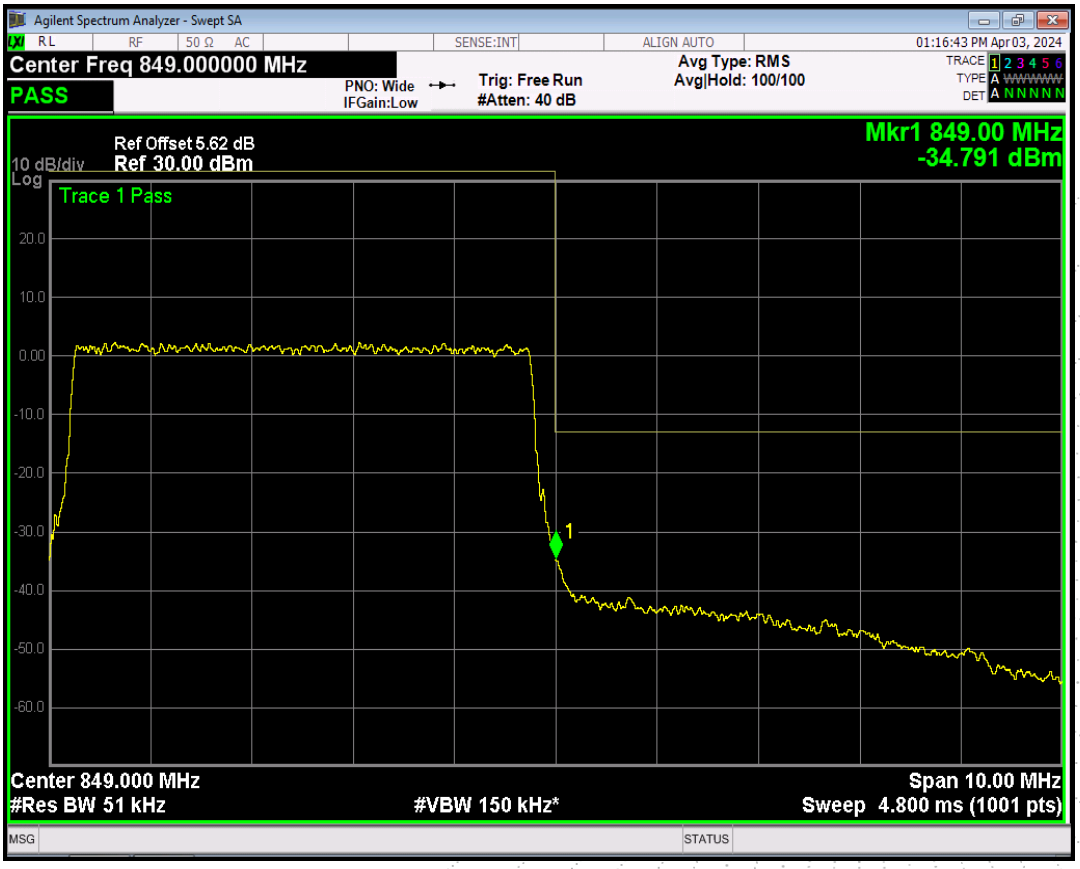
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



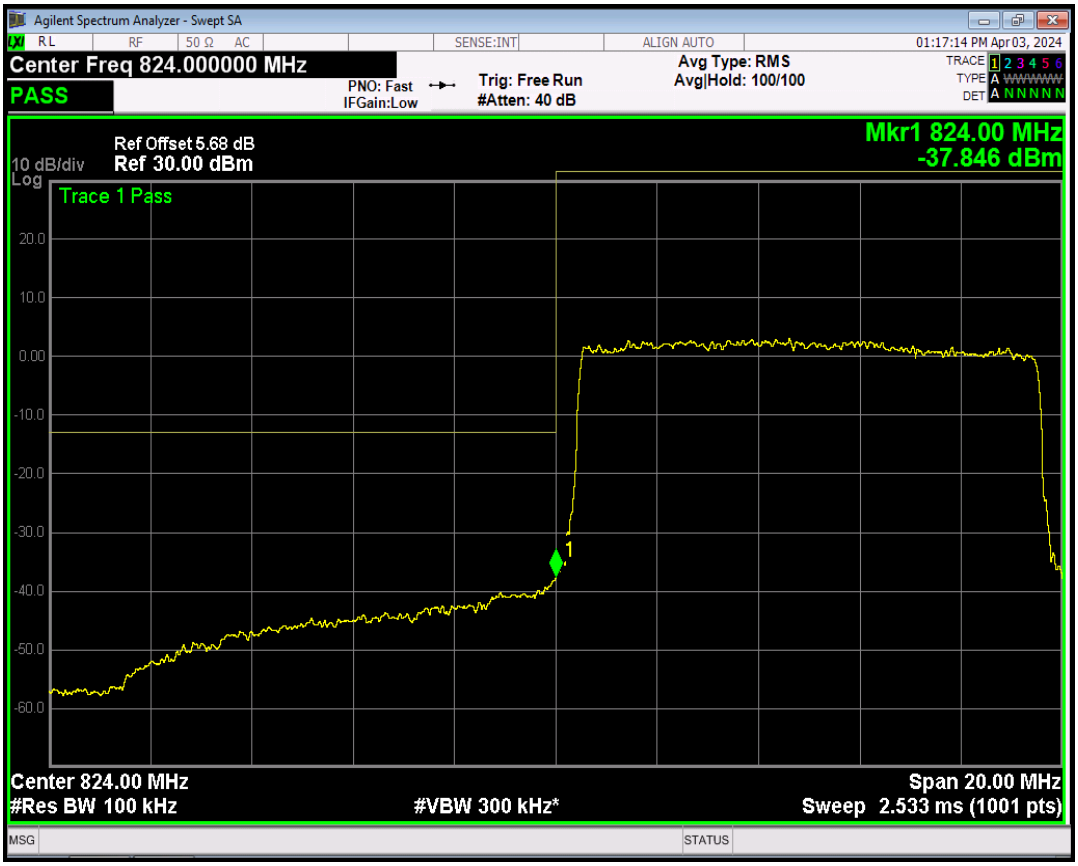
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



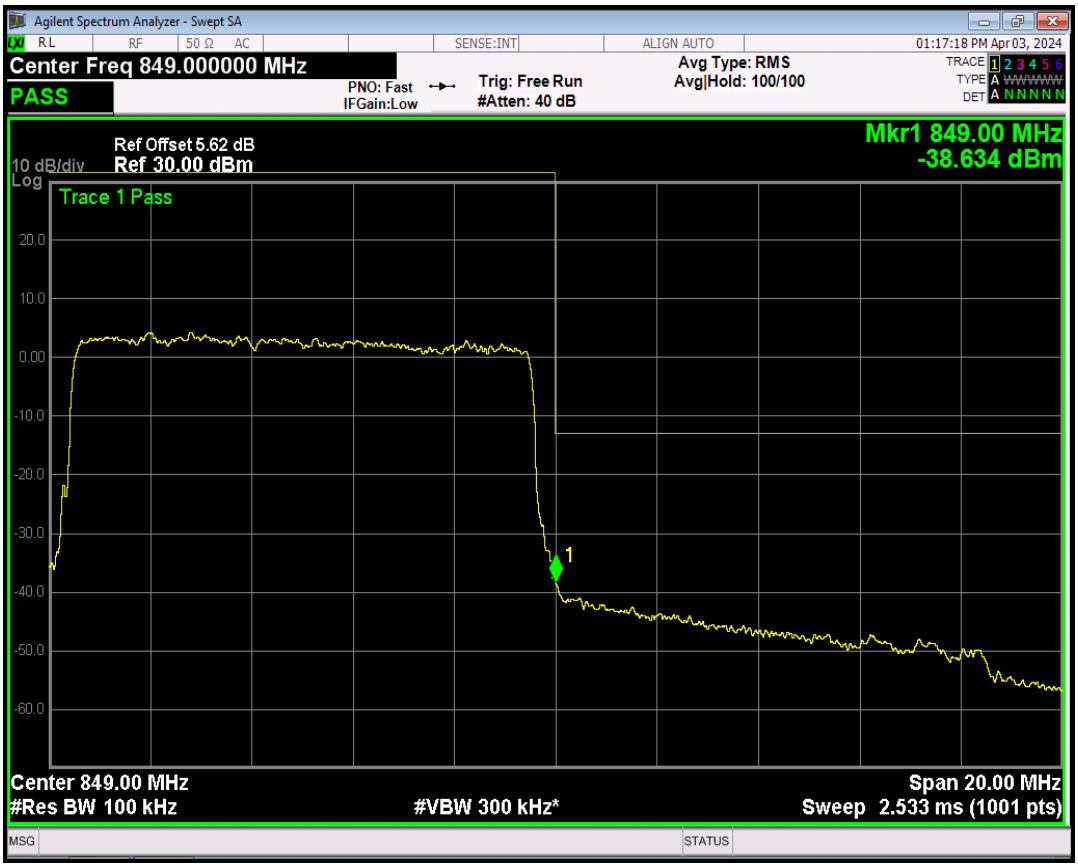
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



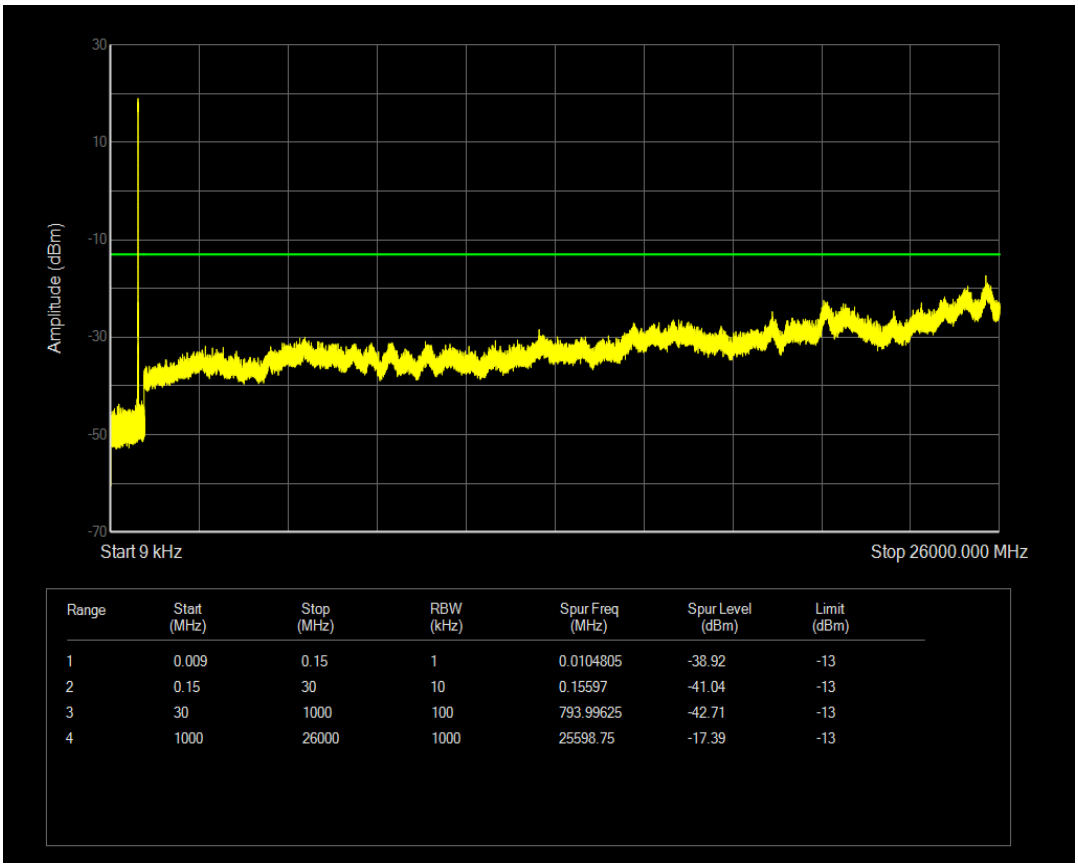
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0


Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
01:17:18 PM Apr 03, 2024
Center Freq 849.000000 MHz
PASS
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 100/100
TRACE 1 2 3 4 5 6
TYPE A WWWWWW
DET A N N N N N
Ref Offset 5.62 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 849.00 MHz
-38.634 dBm
Trace 1 Pass
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
1
Center 849.00 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 20.00 MHz
Sweep 2.533 ms (1001 pts)
MSG
STATUS

Appendix 6. Out-of-band emissions

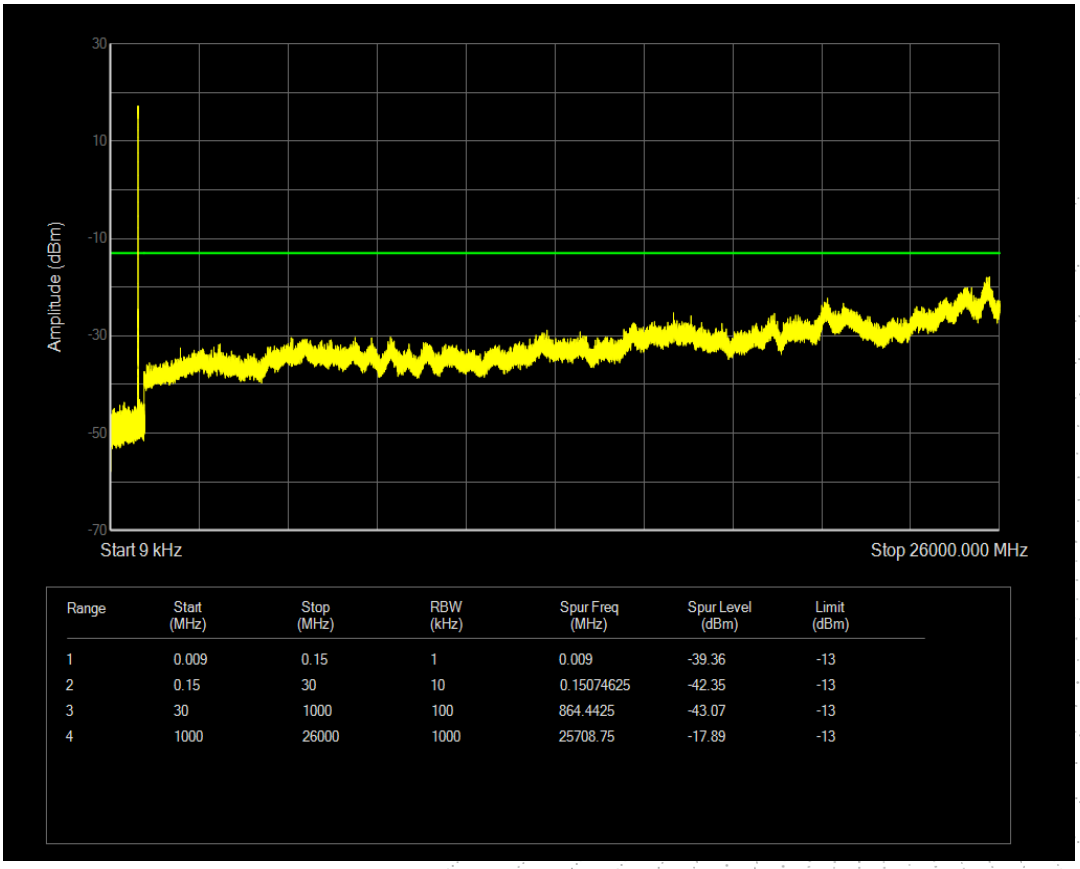
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	25598.75	-17.39	-13	PASS
Band5	1.4	20407	6	#0	16QAM	25708.75	-17.89	-13	PASS
Band5	1.4	20525	6	#0	QPSK	25622.50	-18.10	-13	PASS
Band5	1.4	20525	6	#0	16QAM	25662.50	-18.43	-13	PASS
Band5	1.4	20643	6	#0	QPSK	25664.38	-18.26	-13	PASS
Band5	1.4	20643	6	#0	16QAM	25710.63	-18.14	-13	PASS
Band5	3	20415	15	#0	QPSK	25630.00	-17.49	-13	PASS
Band5	3	20415	15	#0	16QAM	25724.38	-18.81	-13	PASS
Band5	3	20525	15	#0	QPSK	25664.38	-18.38	-13	PASS
Band5	3	20525	15	#0	16QAM	25692.50	-17.08	-13	PASS
Band5	3	20635	15	#0	QPSK	25648.13	-18.17	-13	PASS
Band5	3	20635	15	#0	16QAM	25644.38	-18.07	-13	PASS
Band5	5	20425	25	#0	QPSK	25631.25	-18.07	-13	PASS
Band5	5	20425	25	#0	16QAM	25639.38	-18.02	-13	PASS
Band5	5	20525	25	#0	QPSK	25633.13	-18.90	-13	PASS
Band5	5	20525	25	#0	16QAM	25673.13	-18.60	-13	PASS
Band5	5	20625	25	#0	QPSK	25635.63	-19.43	-13	PASS
Band5	5	20625	25	#0	16QAM	25645.00	-18.61	-13	PASS
Band5	10	20450	50	#0	QPSK	25628.13	-18.59	-13	PASS
Band5	10	20525	50	#0	QPSK	25627.50	-18.72	-13	PASS
Band5	10	20600	50	#0	QPSK	25625.00	-17.85	-13	PASS

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



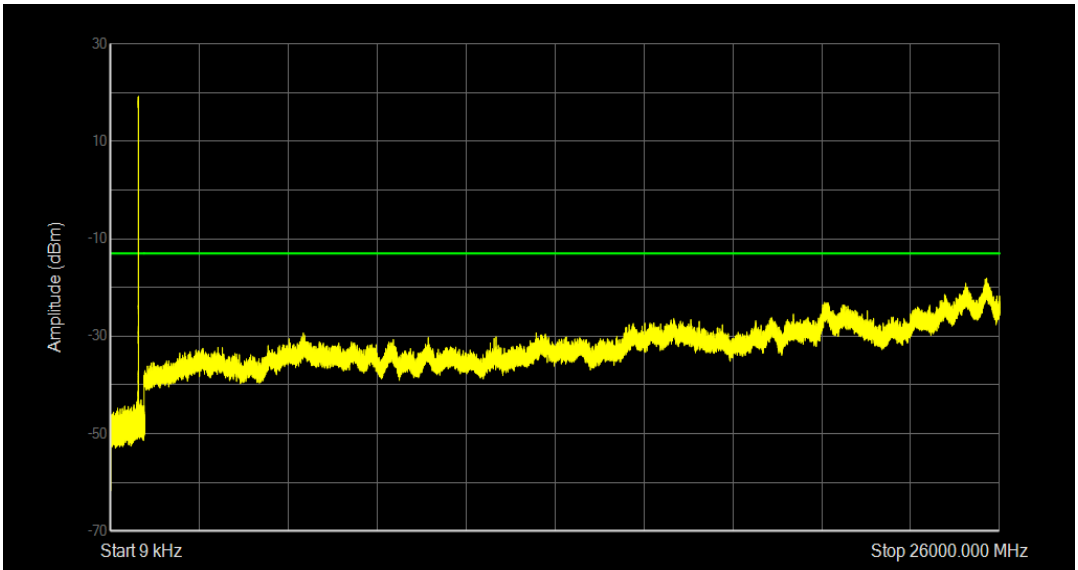
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0104805	-38.92	-13
2	0.15	30	10	0.15597	-41.04	-13
3	30	1000	100	793.99625	-42.71	-13
4	1000	26000	1000	25598.75	-17.39	-13

Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



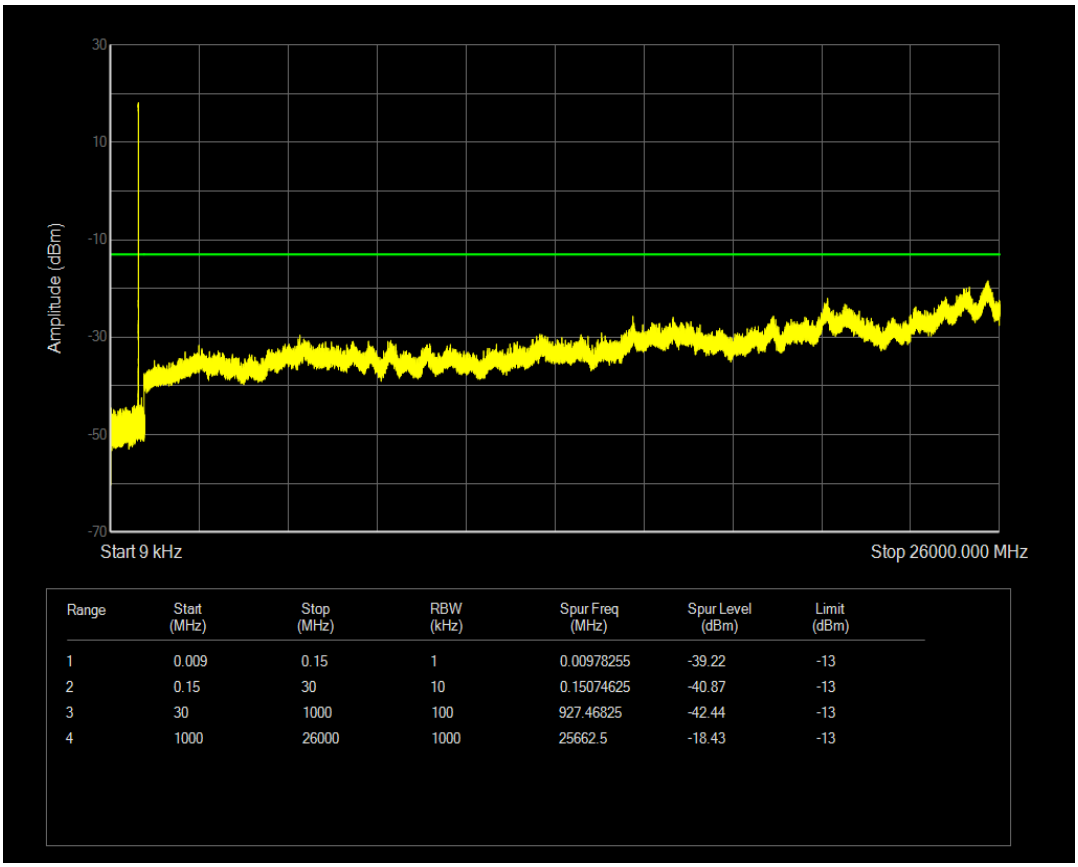
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-39.36	-13
2	0.15	30	10	0.15074625	-42.35	-13
3	30	1000	100	864.4425	-43.07	-13
4	1000	26000	1000	25708.75	-17.89	-13

Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



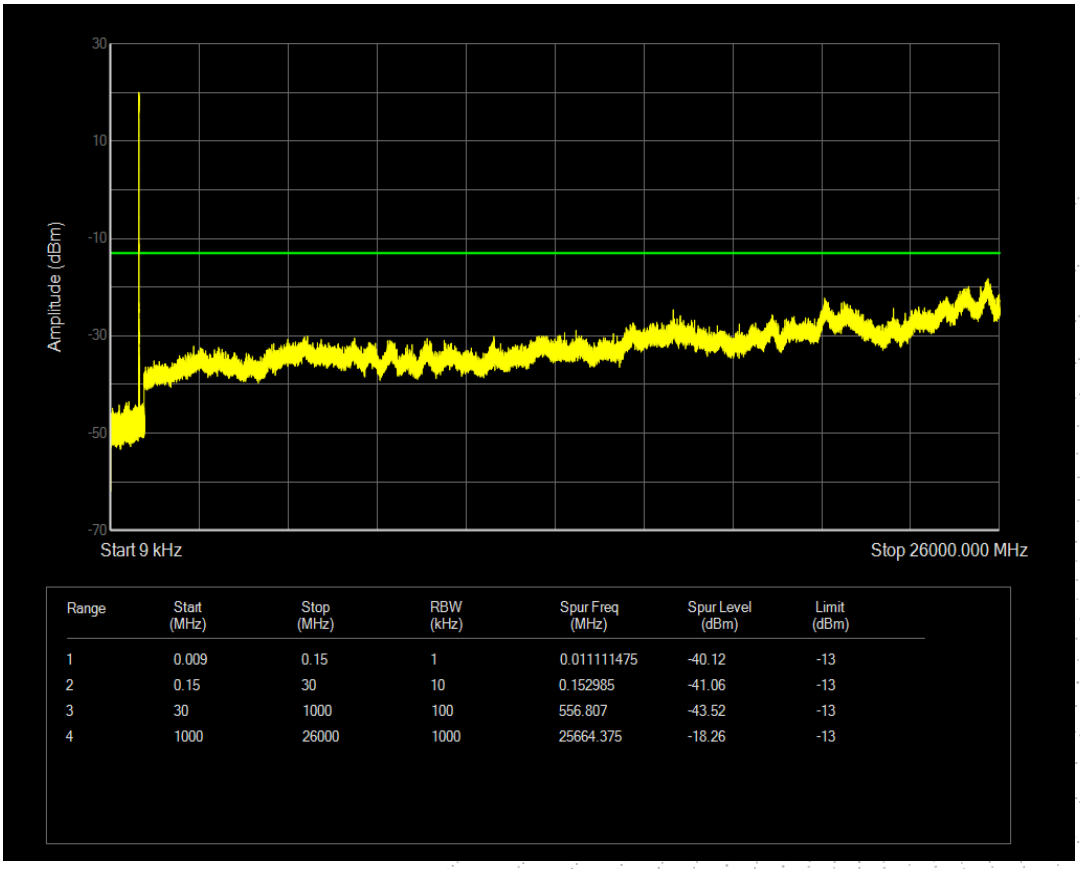
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00923265	-40.56	-13
2	0.15	30	10	0.15970125	-40.61	-13
3	30	1000	100	912.14225	-43.08	-13
4	1000	26000	1000	25622.5	-18.1	-13

Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0



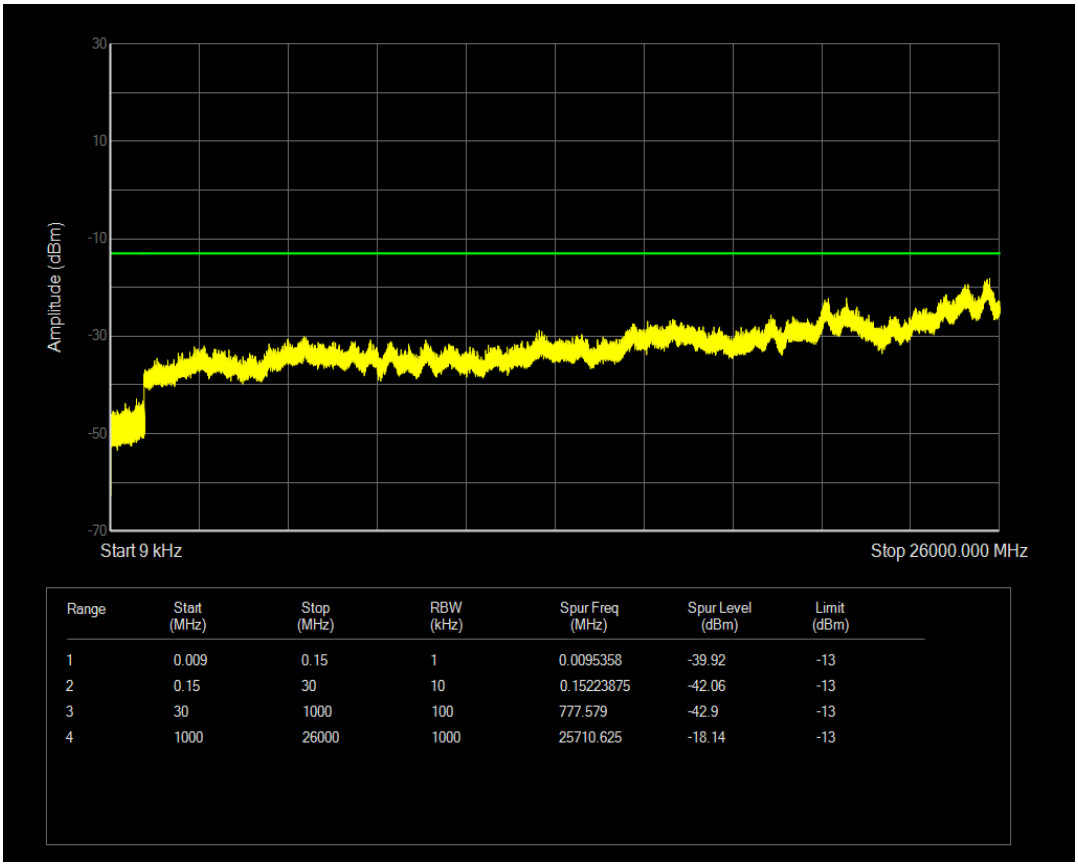
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00978255	-39.22	-13
2	0.15	30	10	0.15074625	-40.87	-13
3	30	1000	100	927.46825	-42.44	-13
4	1000	26000	1000	25662.5	-18.43	-13

Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



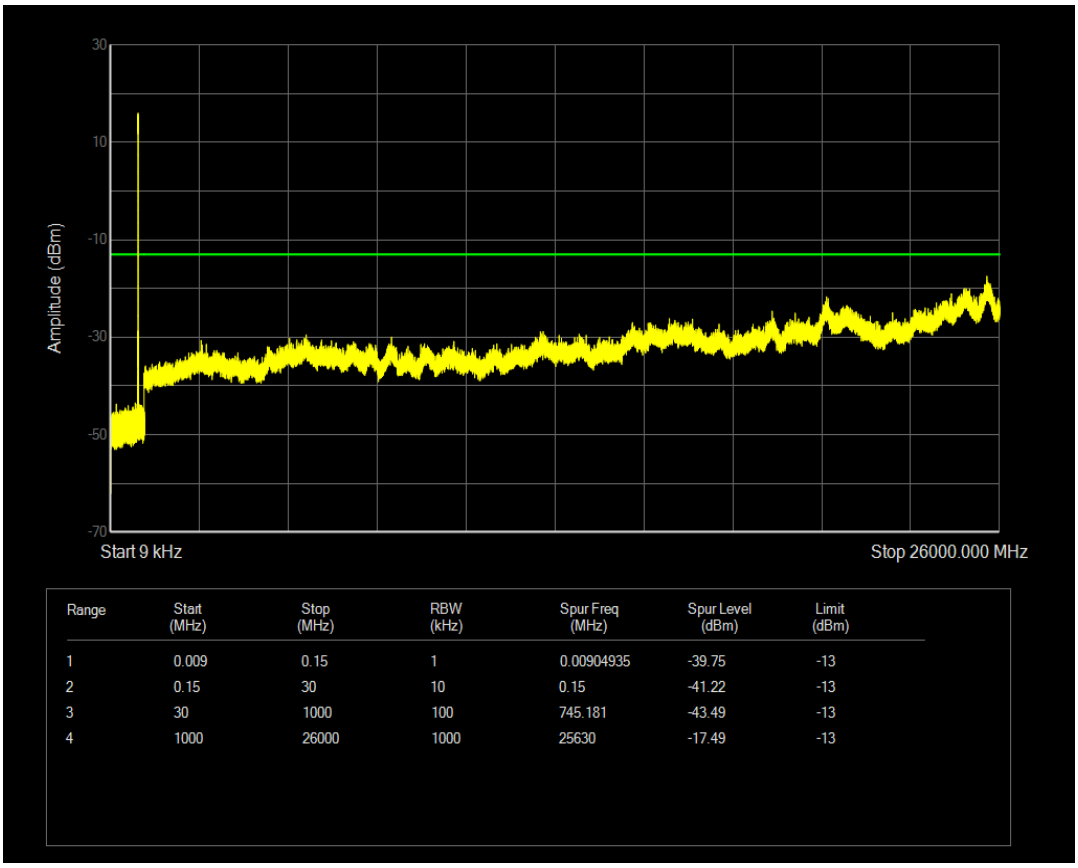
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011111475	-40.12	-13
2	0.15	30	10	0.152985	-41.06	-13
3	30	1000	100	556.807	-43.52	-13
4	1000	26000	1000	25664.375	-18.26	-13

Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



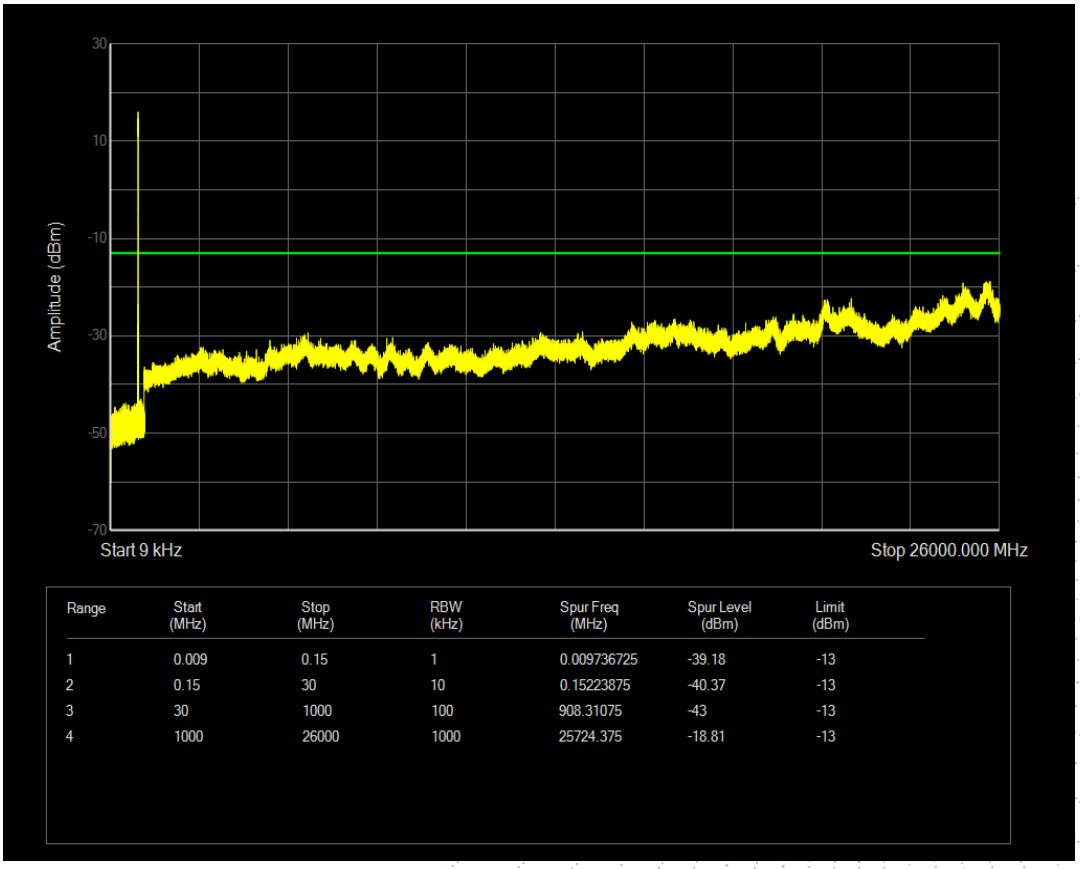
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095358	-39.92	-13
2	0.15	30	10	0.15223875	-42.06	-13
3	30	1000	100	777.579	-42.9	-13
4	1000	26000	1000	25710.625	-18.14	-13

Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



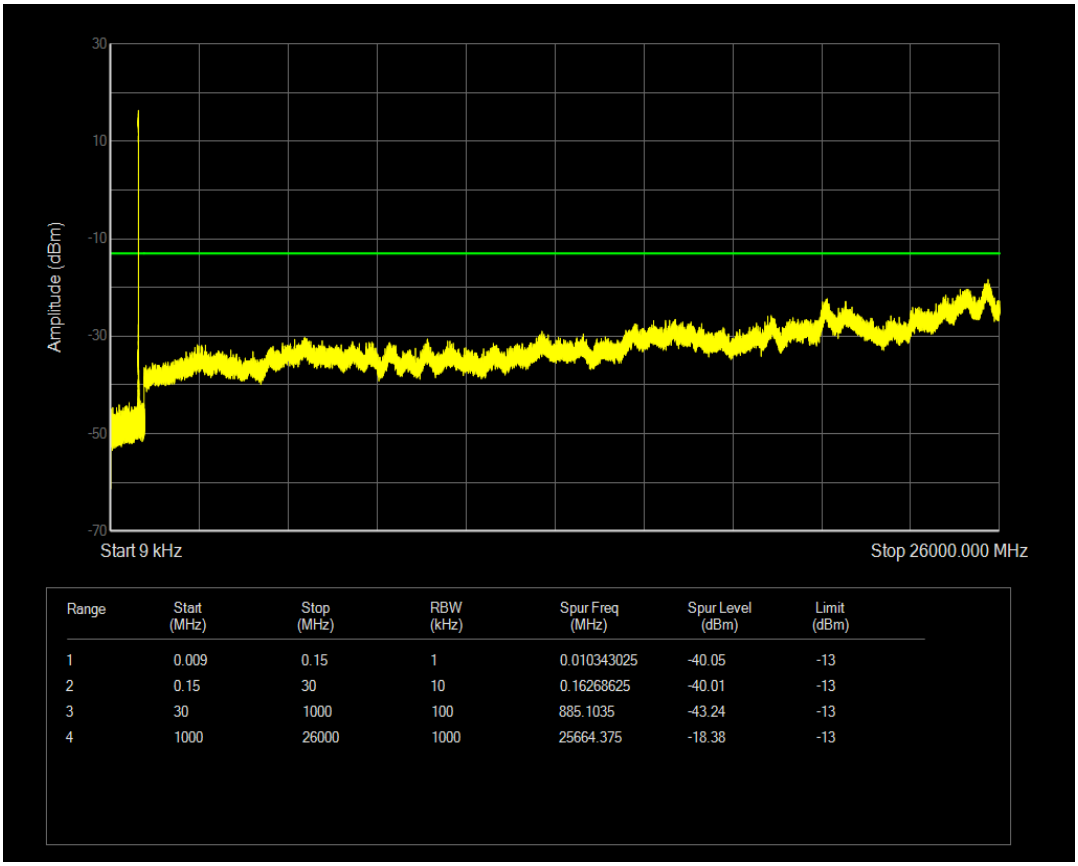
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00904935	-39.75	-13
2	0.15	30	10	0.15	-41.22	-13
3	30	1000	100	745.181	-43.49	-13
4	1000	26000	1000	25630	-17.49	-13

Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



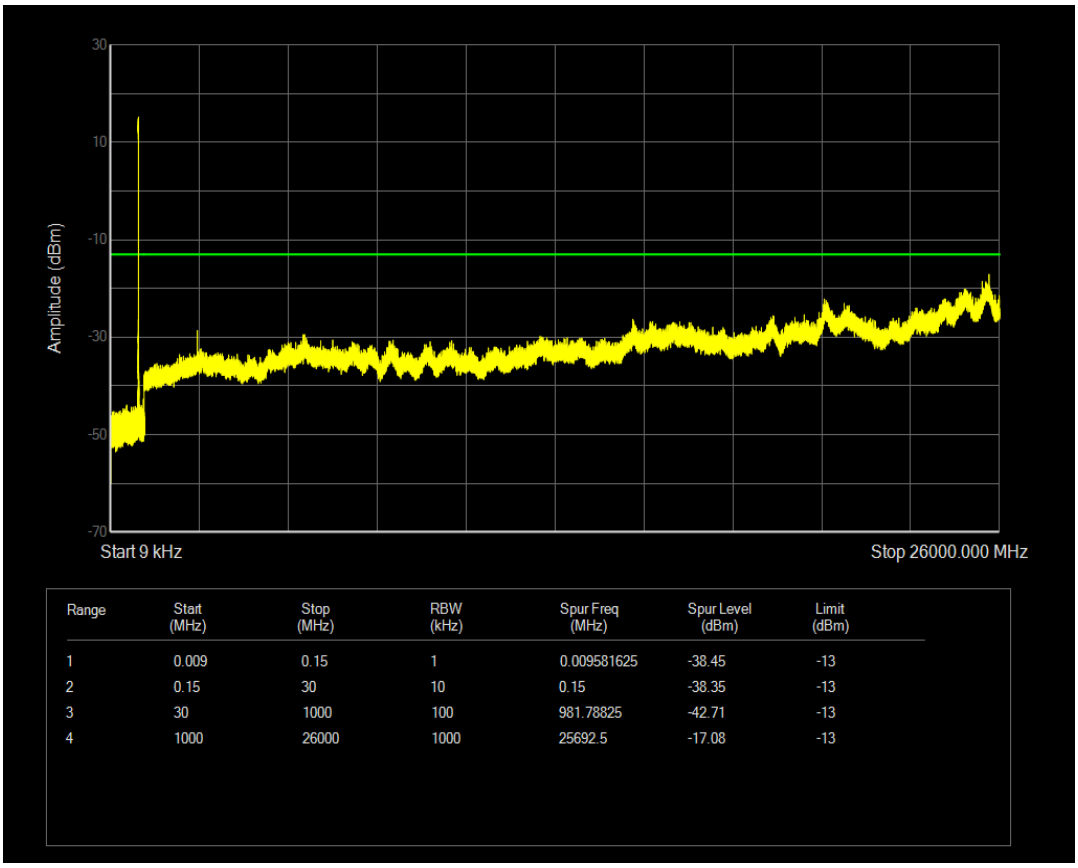
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009736725	-39.18	-13
2	0.15	30	10	0.15223875	-40.37	-13
3	30	1000	100	908.31075	-43	-13
4	1000	26000	1000	25724.375	-18.81	-13

Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



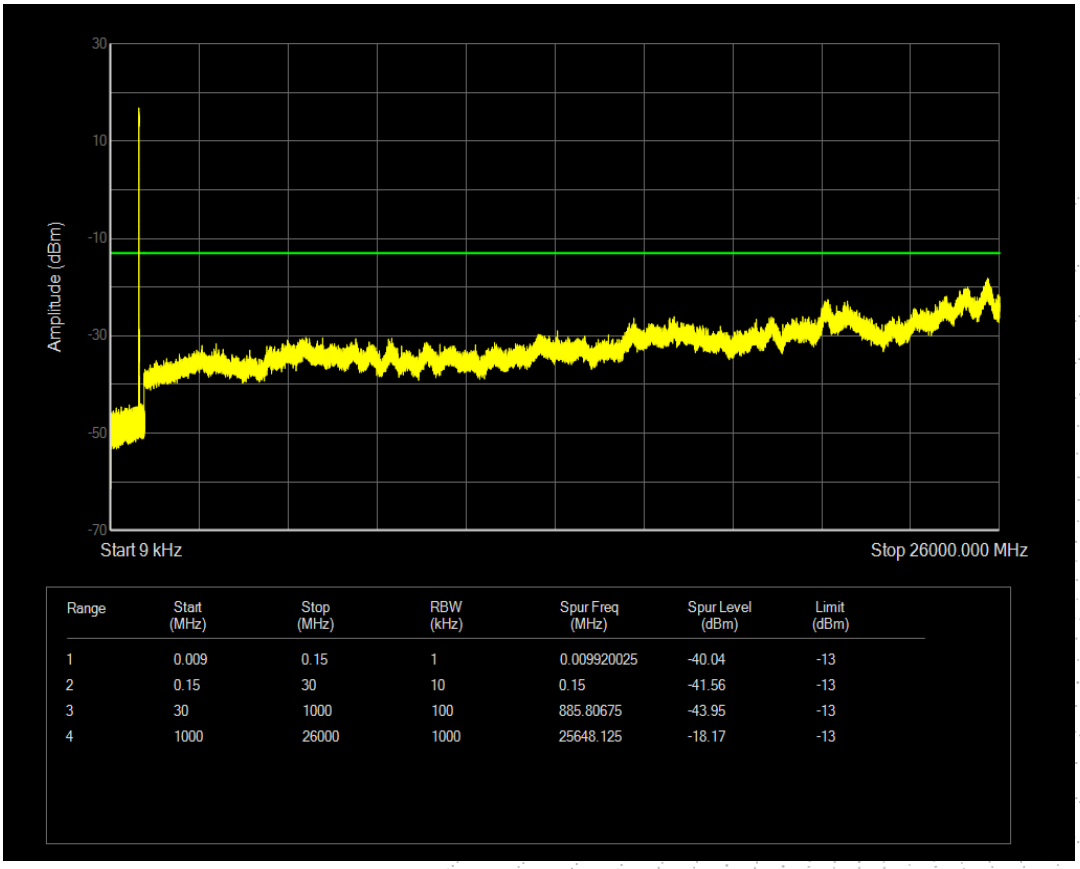
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010343025	-40.05	-13
2	0.15	30	10	0.16268625	-40.01	-13
3	30	1000	100	885.1035	-43.24	-13
4	1000	26000	1000	25664.375	-18.38	-13

Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0



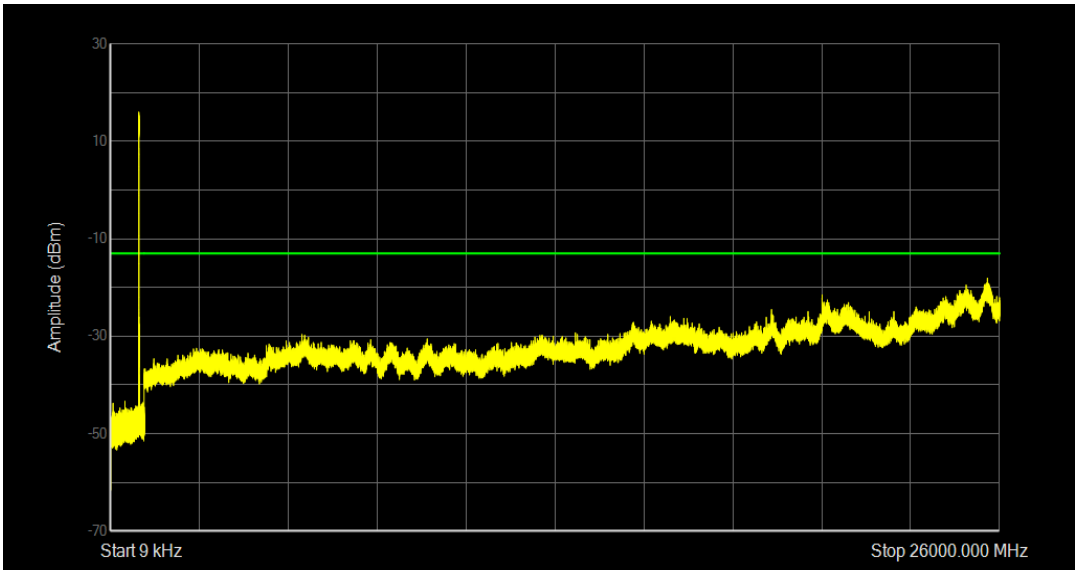
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009581625	-38.45	-13
2	0.15	30	10	0.15	-38.35	-13
3	30	1000	100	981.78825	-42.71	-13
4	1000	26000	1000	25692.5	-17.08	-13

Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



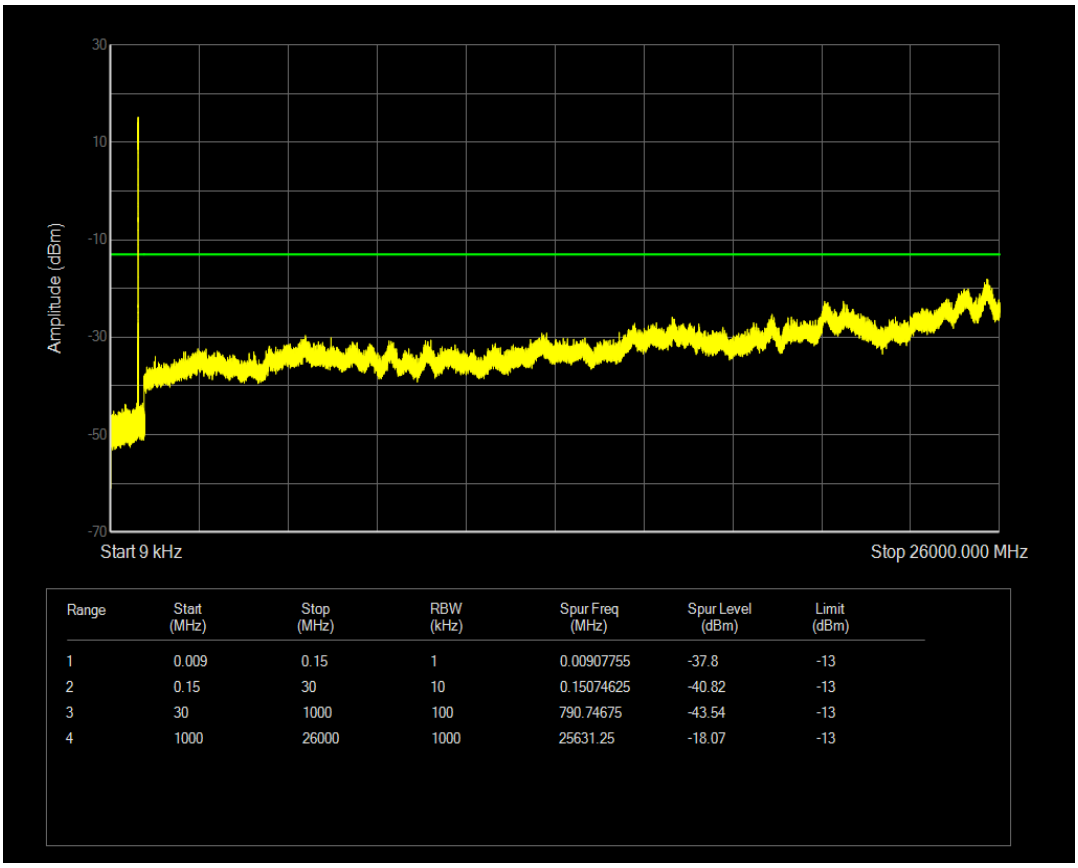
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009920025	-40.04	-13
2	0.15	30	10	0.15	-41.56	-13
3	30	1000	100	885.80675	-43.95	-13
4	1000	26000	1000	25648.125	-18.17	-13

Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



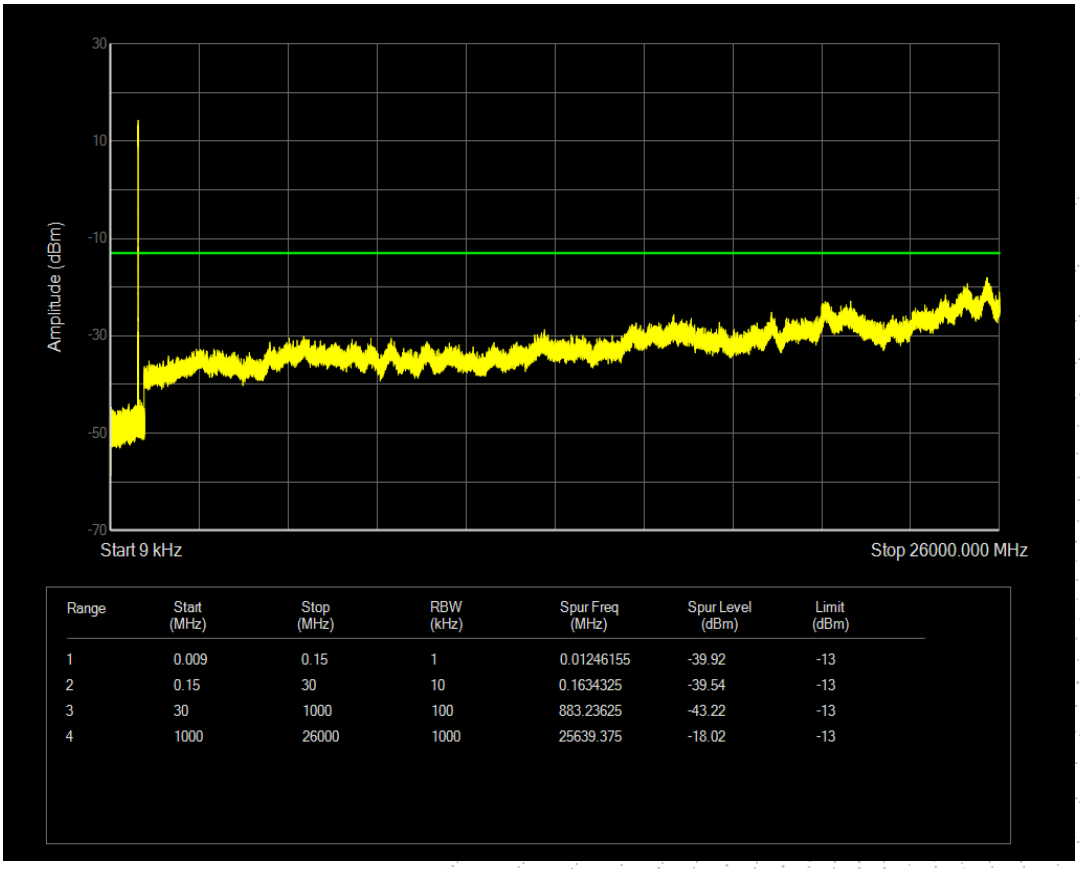
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0100998	-38.83	-13
2	0.15	30	10	0.16268625	-42.06	-13
3	30	1000	100	442.80775	-43.38	-13
4	1000	26000	1000	25644.375	-18.07	-13

Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



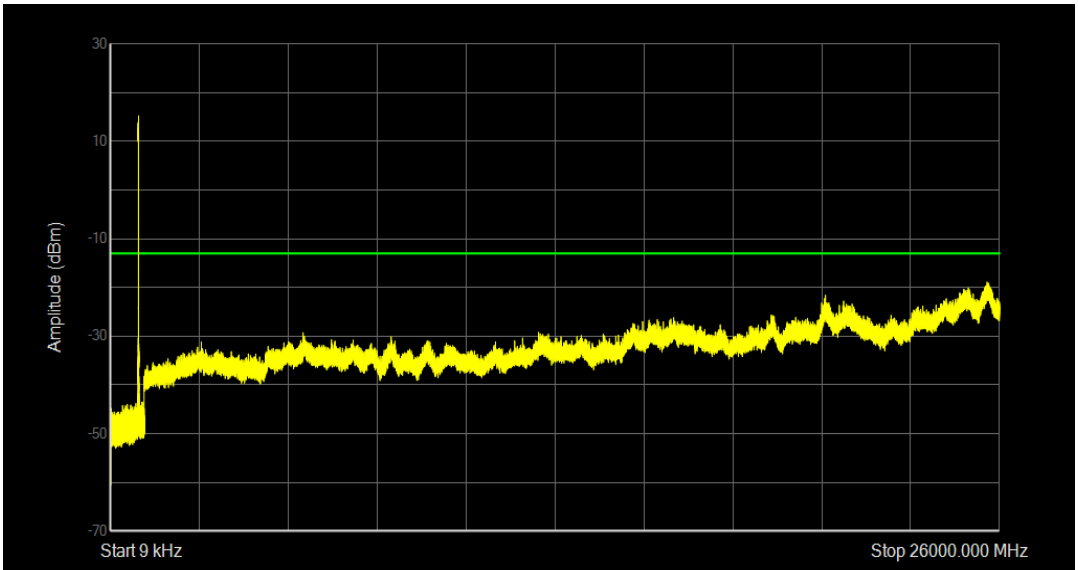
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00907755	-37.8	-13
2	0.15	30	10	0.15074625	-40.82	-13
3	30	1000	100	790.74675	-43.54	-13
4	1000	26000	1000	25631.25	-18.07	-13

Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



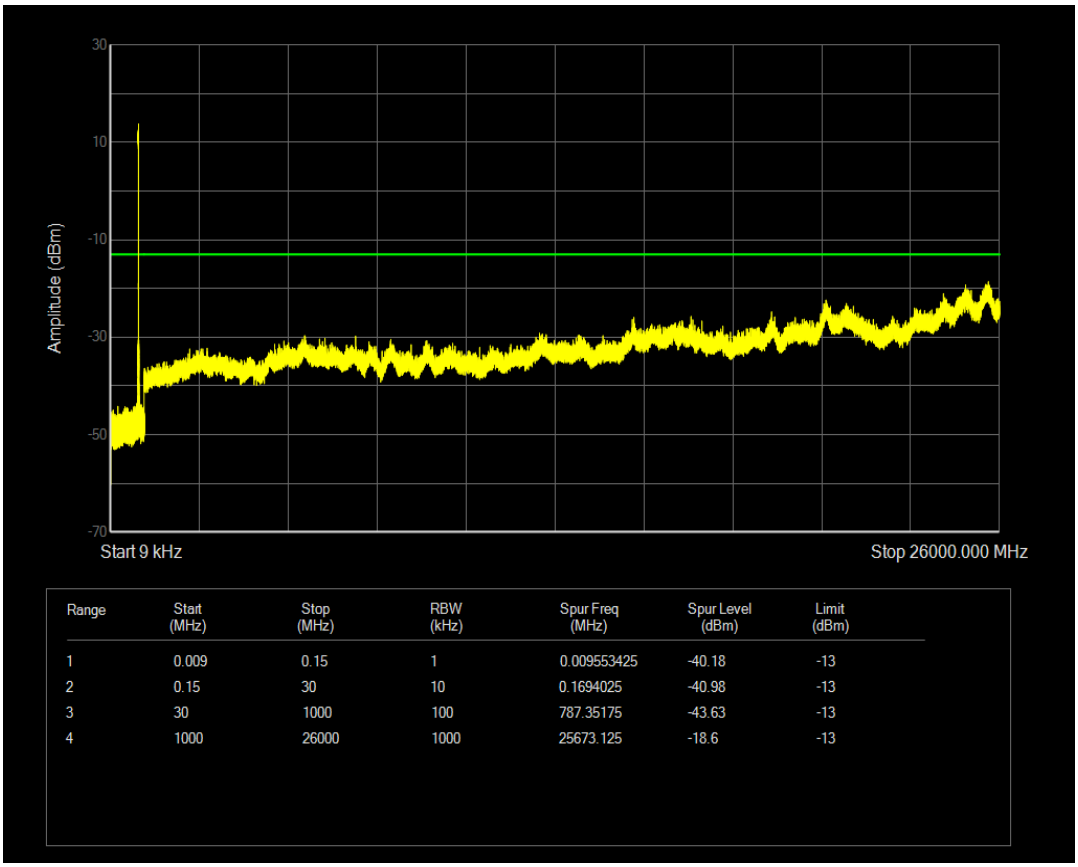
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01246155	-39.92	-13
2	0.15	30	10	0.1634325	-39.54	-13
3	30	1000	100	883.23625	-43.22	-13
4	1000	26000	1000	25639.375	-18.02	-13

Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



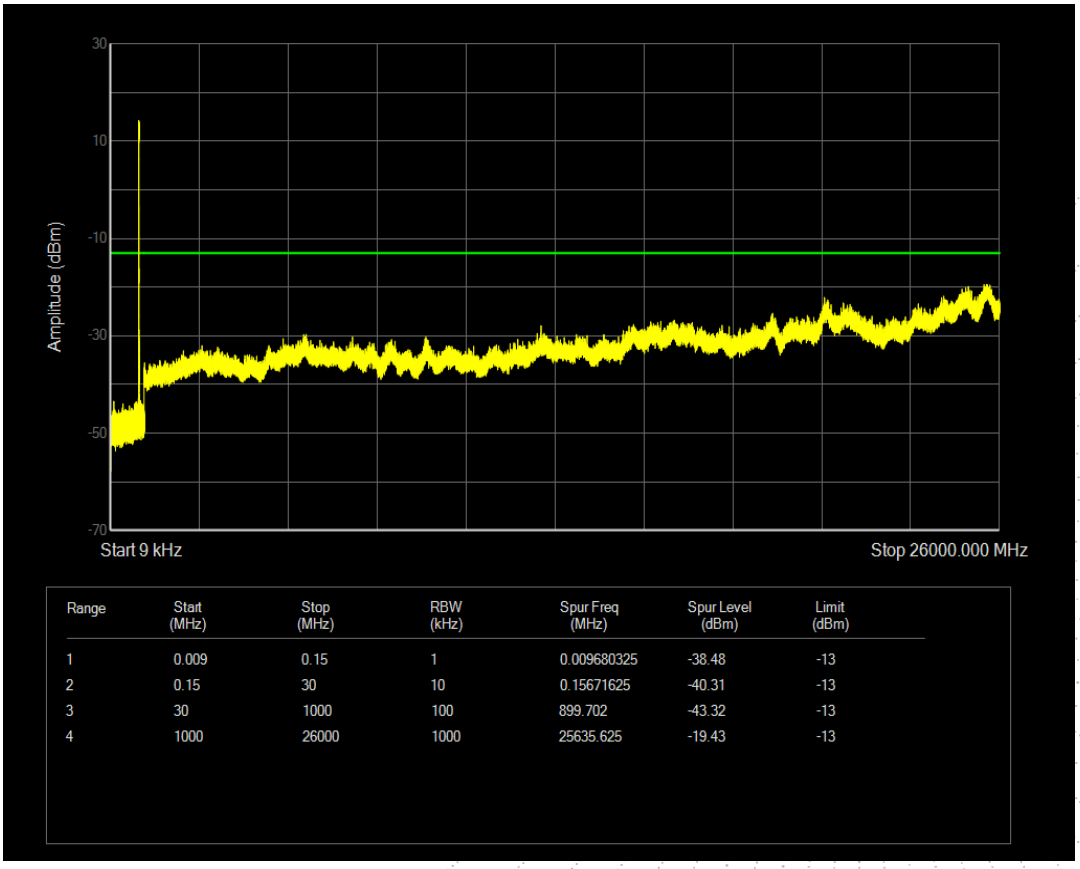
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-40.66	-13
2	0.15	30	10	0.1634325	-40.51	-13
3	30	1000	100	968.45075	-43.54	-13
4	1000	26000	1000	25633.125	-18.9	-13

Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



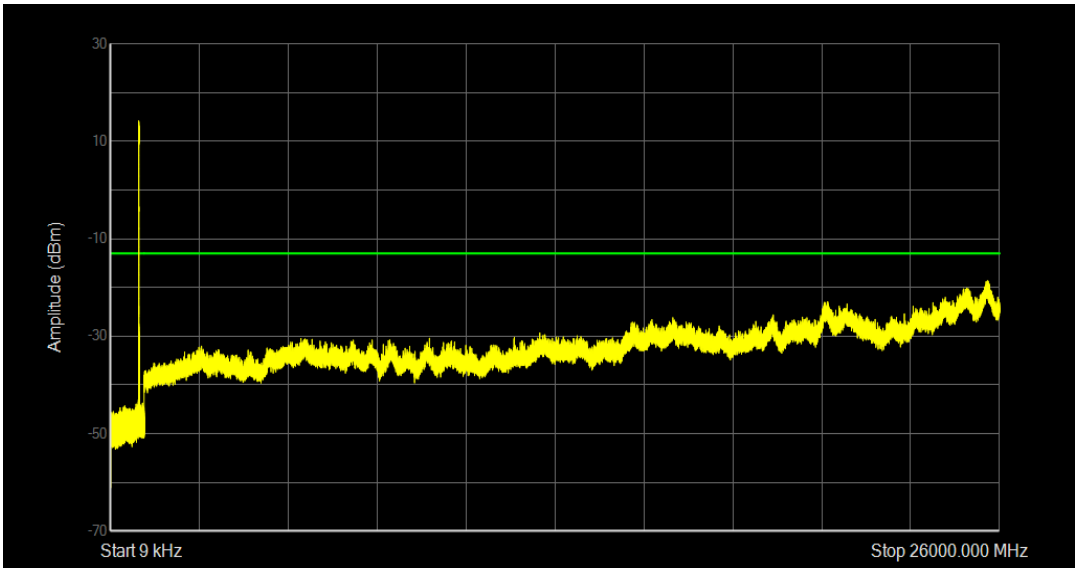
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009553425	-40.18	-13
2	0.15	30	10	0.1694025	-40.98	-13
3	30	1000	100	787.35175	-43.63	-13
4	1000	26000	1000	25673.125	-18.6	-13

Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



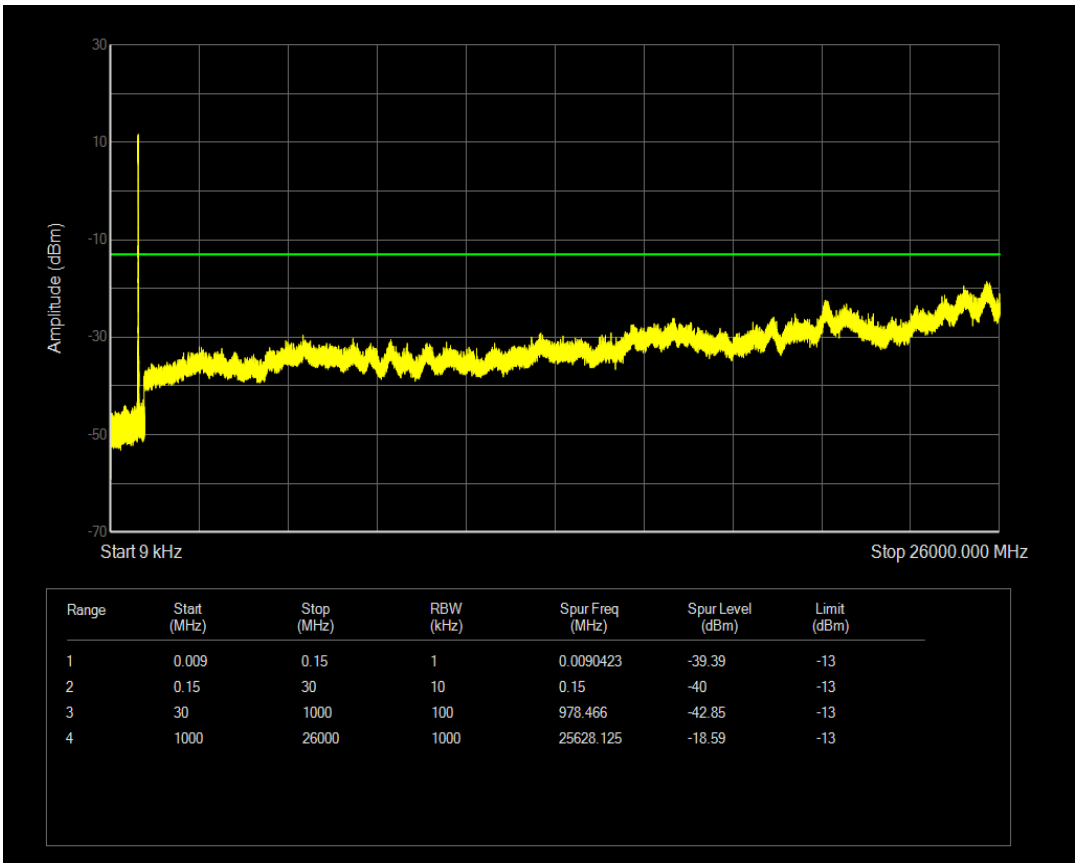
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009680325	-38.48	-13
2	0.15	30	10	0.15671625	-40.31	-13
3	30	1000	100	899.702	-43.32	-13
4	1000	26000	1000	25635.625	-19.43	-13

Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



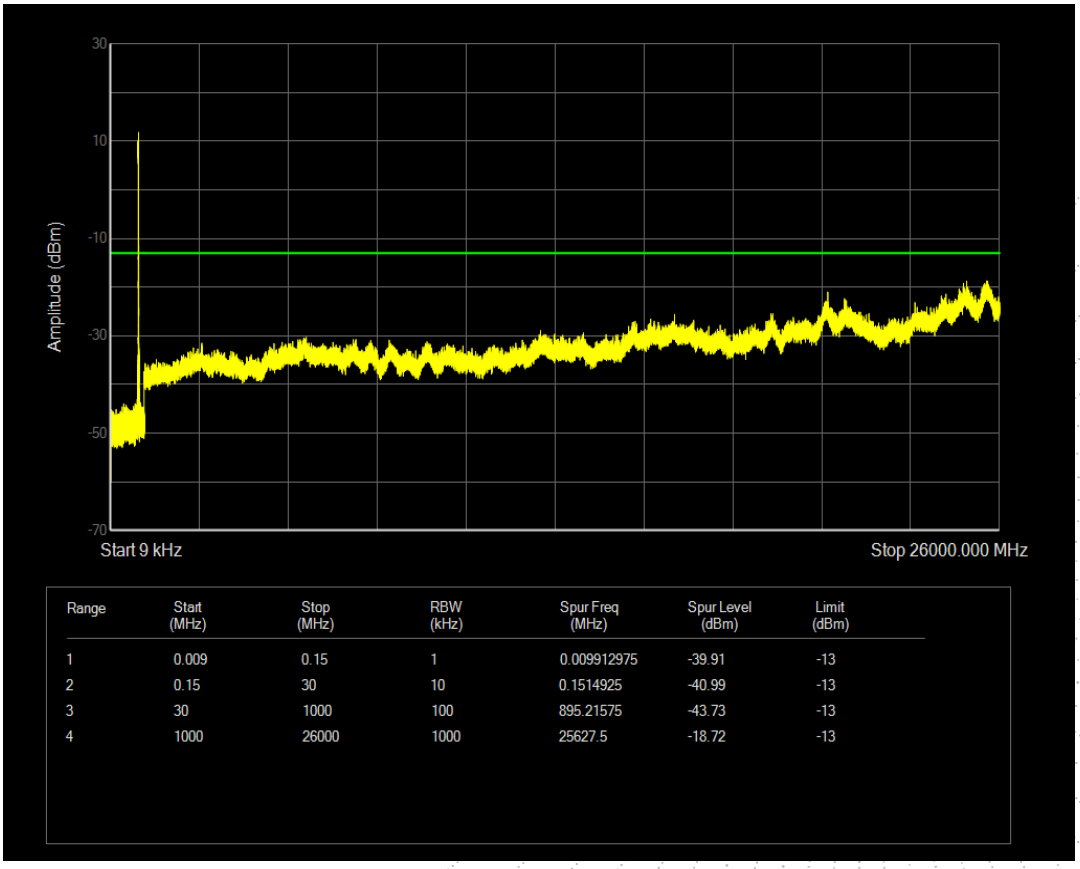
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-38.36	-13
2	0.15	30	10	0.15	-42.39	-13
3	30	1000	100	953.149	-43.74	-13
4	1000	26000	1000	25645	-18.61	-13

Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



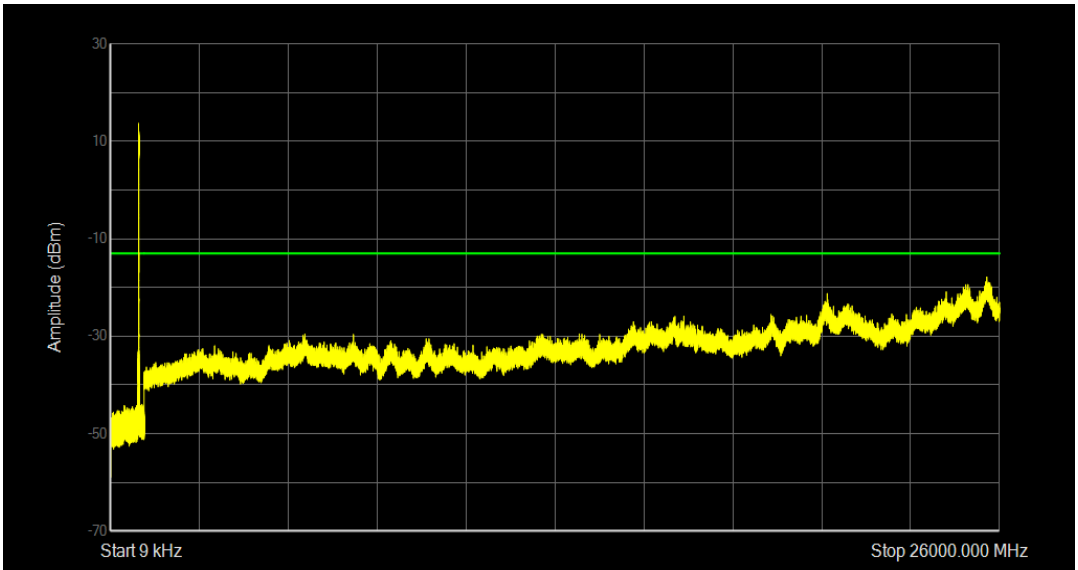
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0090423	-39.39	-13
2	0.15	30	10	0.15	-40	-13
3	30	1000	100	978.466	-42.85	-13
4	1000	26000	1000	25628.125	-18.59	-13

Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009912975	-39.91	-13
2	0.15	30	10	0.1514925	-40.99	-13
3	30	1000	100	895.21575	-43.73	-13
4	1000	26000	1000	25627.5	-18.72	-13

Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009363075	-39.24	-13
2	0.15	30	10	0.158955	-42.14	-13
3	30	1000	100	937.338	-43.99	-13
4	1000	26000	1000	25625	-17.85	-13